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1.4 ncurses 5.7

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1.5 hd-parm 9.32-1

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1.6 libxml2 2.6.26

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FIRST NOTE:

This file contains some details about the copyright history of contributions to the UnZip project.

Additionally, it summarises some exceptions to the general BSD-like copyright found in LICENSE that covers our generic code and most of the system specific ports.

Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):

Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining
code is now (starting with UnZip version 5.41) covered
by the new Info-ZIP license. For details, please read the accompanying
file LICENSE. The terms and conditions in this license supersede the
copyright conditions of the contributions by Igor Mandrichenko
(vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c),
Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket
UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression
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Frequently Asked Questions regarding (re)distribution of Zip and UnZip
are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys
claims a patent on LZW encoding and on LZW decoding _in an apparatus
that performs LZW encoding_, but the patent appears to exempt a stand-
alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed
otherwise, but the issue has never been tested in court. Since this
point is unclear, unshrinking is not enabled by default. It is the
responsibility of the user to make his or her peace with Unisys and
its licensing requirements. (unshrink.c may be removed from future
releases altogether.)

The original unzip source code has been extensively modified and
almost entirely rewritten (changes include random zipfile access
rather than sequential; replacement of unimplode() with explode();
replacement of old unshrink() with new (unrelated) unshrink(); re-
placement of output routines; addition of inflate(), wildcards,
filename-mapping, text translation, ...; etc.). As far as we can
tell, only the core code of the unreduce method remained substantially
similar to Mr. Smith's original source. As of UnZip

5.42, the complete

core code is now covered by the Info-ZIP Licence. Therefore, support
for the reduce method has been removed.

The drop of the reduce method should only affect some test archives,
reducing was never used in any publically distributed Zip program.

For pathologic cases where support for reduced archive entries is
needed, the unreduce code copyrighted by Samuel H. Smith is available
as a separate distribution (the restricted copyright of this code is
cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code
(macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

- * MoreFiles
- *
- * A collection of File Manager and related routines
- *
- * by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
- * with significant code contributions by Nitin Ganatra
- * (Apple Macintosh Developer Technical Support Emeritus)
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- * MacBinaryIII.h
- *
- * Copyright 1997 Christopher Evans (cevens@poppybank.com)
- *
- * Basic encoding and decoding of Macintosh files to the
- * MacBinary III spec.
- * -----
- * This source is copyrighted by Christopher Evans (cevens@poppybank.com)
- * (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit
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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

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The remaining code was written by many people associated with the
Info-ZIP group, with large contributions from (but not limited to):
Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
others. See the file CONTRIBS in the source distribution for a much
more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

1.9 free-type 2.5.3

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--- end of FTL.TXT ---

1.10 ipmi-tool 1.8.9

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1.11 dhcp 4.3.0

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh,
admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

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<!-- \$Id: copyright.xml,v 1.8 2009/07/10 23:47:58 tbox Exp \$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
 version="1.0">

<xsl:template name="isc.copyright.format">
 <xsl:param name="text"/>
 <xsl:value-of select="\$isc.copyright.leader"/>
 <xsl:value-of select="normalize-space(substring-before(\$text, '
'))"/>
 <xsl:text>
</xsl:text>
 <xsl:variable name="rest" select="substring-after(\$text, '
')"/>
 <xsl:if test="translate(\$rest, '	 ', ' ')">
 <xsl:call-template name="isc.copyright.format">
 <xsl:with-param name="text" select="\$rest"/>
 </xsl:call-template>
 </xsl:if>
 </xsl:template>

<xsl:variable name="isc.copyright.text">
 <xsl:text>
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</xsl:text>
 </xsl:variable>

<xsl:variable name="isc.copyright">

```

<xsl:call-template name="isc.copyright.format">
  <xsl:with-param name="text">
<xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
  <xsl:text>&#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>

</xsl:stylesheet>

<!--

```

```

- Local variables:
- mode: sgml
- End:
-->

```

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1.12 libpcap 1.7.3

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- */

1.13 glibc 2.19

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Version 2.1, February 1999

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```
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```

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1.15 curl 7.54.1

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1.17 cpio 2.11-24.el7

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1.18 diffutils 3.3-4.el7

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1.19 libuser 0.60-7.el7_1

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1.20 ncurses 5.9-13.20130511.el7

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1.21 libmnl 1.0.4

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1.26 cracklib 2.9.0-11.el7

1.27 patch 2.7.6

1.28 bzip2 1.0.8

1.29 dmidecode 3.5

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1.30 tcl 8.5.7

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1.35 curl 7.43.0

1.35.1 Available under license :

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=====

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1.36 lua 5.3.3

1.37 tcl 8.5.9

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```
<one line to give the program's name and a brief idea of what it does.>
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```

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```
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```

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<signature of Ty Coon>, 1 April 1989
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1.42 perl 5.28.1

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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```

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1.46 popt 1.16

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Upstream-Name: ls-config

Source: <https://github.com/lucas-net-pl/ls-config>

Files: *

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Files: debian/*

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@c \input texinfo.tex @c -*-texinfo-*
@c
@c %**start of header

@c All text is ignored before the setfilename.

@setfilename LGPL.info

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@center Version 2.1, February 1999

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

^L

GNU LESSER GENERAL PUBLIC LICENSE

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs

(which use some of those functions and data) to form executables.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the

ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

^L

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the

complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a

"work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object

file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute

the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

^L

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at

least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

^L

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>

Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a

clarification of the licensing that was already in place.=20

-- Nathan
=20

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>=20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan

wrote:

> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=20Dmike

Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

> Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

> > I understand that, and you're welcome to bring it up with Alec

> directly

> > and see if he wants to relicense his code as LGPL... but at this

> point,

> > it was enough to just get it consistent and documented as to what

> it was

> > released under. This wasn't actually a license change, just a

> > clarification of the licensing that was already in place.

>=20

> the original license (before moving to sourceforge -- aka, 2.7) was

> not

> GPL-2 ... it was a modified artistic license ... i didnt notice the

> license

> change until it was mentioned in the latest notes.

>=20

> unlike the old license, GPL-2 prevents people from using cracklib

> unless their

> applications are also GPL-2 which imo is just wrong. it isnt the

> place of a

> library

to dictact to application writes what license they should

- > be using.
- > thus LGPL-2.1 enters to fill this void.
- > -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

- > Seems like the ideal thing here would be for you and the other distro
- > maintainers to get together with Alec in a conversation and come to a
- > decision as to what licensing scheme y'all want. I haven't really done
- > much other than cleaning up the packaging and patches and a small
- > bit of
- > additional code, so whatever licensing y'all come up with is fine
- > by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I

think it is in everyone's

best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

- > > Seems like the ideal thing here would be for you and the other distro
- > > maintainers to get together with Alec in a conversation and come to a
- > > decision as to what licensing scheme y'all want. I haven't really done
- > > much other than cleaning up the packaging and patches and a small

> > bit of
> > additional
code, so whatever licensing y'all come up with is fine
> > by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > Seems like the ideal thing here would be for you and the other distro
> > > maintainers to get together with Alec in a conversation and come to a
> > > decision as to what licensing scheme y'all want. I haven't really done
> > > much other than cleaning up the packaging and patches and a small
> > > bit of
> > > additional code, so whatever licensing y'all come up with is fine
> > > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL...
>
> My apologies for not chiming in in anything resembling a reasonable
> timeframe.

>
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
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the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
>
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?
-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October
2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
-mike

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From

alecm@crypticide.com Mon Oct 1 12:26:03 2007

Received: from umr-exproto2.cc.umn.edu ([131.151.0.192]) by UMR-CMAIL1.umn.edu with Microsoft SMTPSVC(6.0.3790.3959);

Mon, 1 Oct 2007 12:26:03 -0500

Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umn.edu with Microsoft SMTPSVC(6.0.3790.3959);

Mon, 1 Oct 2007 12:26:02 -0500

Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000

Received: from smtp1.srv.mst.edu (131.151.1.43)

by scanin-ipvs.cc.umn.edu with SMTP; 1 Oct 2007 16:59:55 -0000

Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])

by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623

for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500

Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])

by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311

for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)

Received: from

[82.68.43.14] (helo=[192.168.1.3])

by rutherford.zen.co.uk with esmtp (Exim 4.50)

id 1IcOcX-0004Qt-6L

for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000

Mime-Version: 1.0 (Apple Message framework v752.2)

In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>

References: <1190922867.3457.147.camel@localhost.localdomain>

<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umn.edu>

<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>

Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed

Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>

Content-Transfer-Encoding: 7bit

From: Alec Muffett <alecm@crypticide.com>

Subject: Re: cracklib license

Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length:
585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.49 bc 1.07

1.49.1 Available under license :

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Version 3, 29 June 2007

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and valid for as

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1.51 libteam 1.17-7.el7_2

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1.52 netkit-tftp 5.2

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1.53 cpio 2.13

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

*

* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

* <http://www.hypermall.com/>

* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY

* interrupts us (except possibly for removal/insertion of the cable?)

* 10/4/97 - began heavy inline documentation of the code. Corrected typos

* and spelling mistakes.

* 10/5/97 - added code to handle PHY interrupts, disable PHY on

* loss of link, and correctly re-enable PHY when link is

* re-established. (put back CFG_PHYIE)

*

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

*

* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

*

* Linux driver for the IDT77201 NICStAR PCI ATM controller.

* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

* see init_nicstar() for PHY initialization to change this. This driver

* expects the Linux ATM stack to support scatter-gather

lists

* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

*
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
 * combined, allow nicstar_free_rx_skb to be called to
 * recycle large data buffers
 * 2) skb_clone of received buffers
 * See nicstar_free_rx_skb and linearize_buffer for implementation
 * details.
 *
 *
 *
 *
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 *
 * M. Welsh, 6 July 1996
 *
 *
 */

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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END OF TERMS AND CONDITIONS

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Version 3, 29 June 2007

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

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1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The

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You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years

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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in

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further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the

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e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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for his work on the initial Linux DVB driver

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for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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1.59 libnl3 3.5.0

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Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
@smallexample
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end smallexample
```

The hypothetical commands `@samp{show w}` and `@samp{show c}` should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

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@c man end

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Version 2.1, February 1999

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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Version 3.1, 31 March 2009

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the

garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader

specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the

current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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under certain conditions; type `show c' for details.
```

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library.

The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the @dfn{Lesser} General Public License because it does @emph{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a ``work based on the library" and a ``work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

@iftex

@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end iftex

@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end ifinfo

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is invoked, then you must make a good faith effort to ensure that,

in the event an application does not supply such function or

table, the facility still operates, and performs whatever part of

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(For example, a function in a library to compute square roots has

a purpose that is entirely well-defined independent of the

application. Therefore, Subsection 2d requires that any

application-supplied function or table used by this function must

be optional: if the application does not supply it, the square

root function must still

compute square roots.)

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When a ``work that uses the Library'' uses material from a header file

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work.

(Executables containing this object code plus portions of the Library will still fall under Section 6.)

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As an exception to the Sections above, you may also combine or link a ``work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

```
include/iprof_hdr.h
kadmin/server/iprof_svc.c
lib/kdb/iprof.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c
```

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1.75 openssl 1.0.1e-51.el7_2.7

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1.76 libusb 1.0.15-4.el7

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1.77 selinux 2.2.2-6.el7

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino

<jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream

classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

=====
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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-->

<!-- \$Id: copyright.xml,v 1.8 2009/07/10 23:47:58 tbox Exp \$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">

<xsl:template name="isc.copyright.format">
 <xsl:param name="text"/>
 <xsl:value-of select="\$isc.copyright.leader"/>
 <xsl:value-of select="normalize-space(substring-before(\$text, '
'))"/>
 <xsl:text>
</xsl:text>
 <xsl:variable name="rest" select="substring-after(\$text, '
')"/>
 <xsl:if test="translate(\$rest, '	 ', ' ')">
 <xsl:call-template name="isc.copyright.format">
 <xsl:with-param name="text" select="\$rest"/>
 </xsl:call-template>
 </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
 <xsl:text>
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```

</xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
<xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
  <xsl:text> &#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>

</xsl:stylesheet>

<!--
- Local variables:
- mode: sgml
- End:
-->

```

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1.81 expat 1.95.8

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1.82 shadow 4.1.5.1-18.el7

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bzip2/libbzip2 version 1.0.8 of 13 July 2019

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[#mpl]

MPL Support, <boost/mp11/mpl.hpp>

:toc:

:toc-title:

:idprefix:

The header `<boost/mp11/mpl.hpp>`, when included, defines the

necessary support infrastructure for ``mp_list`` and ``std::tuple`` to be valid link:../../libs/mpl[MPL] sequences.

NOTE: ``mpl.hpp`` is not included by ``<boost/mp11.hpp>``.

It's also possible to only enable support for ``mp_list`` by including ``<boost/mp11/mpl_list.hpp>``, and for ``std::tuple`` by including ``<boost/mp11/mpl_tuple.hpp>``. This may be required because some libraries, such as Boost.Fusion, contain their own MPL support for ``std::tuple``, which conflicts with Mp11's one.

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<!DOCTYPE article PUBLIC "-//Boost/DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
  <title>Copyright Test</title>
  <articleinfo>
    <copyright>
      <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
    </copyright>
    <copyright>
      <year>2018</year> <holder>Joe Blow, John Coe</holder>
    </copyright>
    <copyright>
```

```
<year>1977</year> <year>1985</year> <holder>Someone else</holder>
</copyright>
</articleinfo>
</article>
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1.86 iptables 1.8.7

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%% winjs version 4.4.0 (<https://github.com/winjs/winjs>)

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1. Seti UI - A subtle dark colored UI theme for Atom. (<https://github.com/jesseweed/seti-ui>)

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```

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or
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.91 python-setuptools 54.1.1

1.91.1 Available under license :

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1.92 libxml2 2.9.1-6.el7_2.3

1.92.1 Available under license :

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1.93 sqlite 3.35.0

1.93.1 Available under license :

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```
/*
 * This code implements the MD5 message-digest algorithm.
 * The algorithm is due to Ron Rivest. This code was
 * written by Colin Plumb in 1993, no copyright is claimed.
 * This code is in the public domain; do with it what you wish.
 *
 * Equivalent code is available from RSA Data Security, Inc.
 * This code has been tested against that, and is equivalent,
 * except that you don't need to include two pages of legalese
 * with every copy.
 *
 * To compute the message digest of a chunk of bytes, declare an
 * MD5Context structure, pass it to MD5Init, call MD5Update as
 * needed on buffers full of bytes, and then call MD5Final, which
 * will fill a supplied 16-byte array with the digest.
 */
```

Found in path(s):

```
* /sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/src/md5.c
```

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```
# 2001 September 15
```

```
#
```

```
# The author disclaims copyright to this source code. In place of
```

```

# a legal notice, here is a blessing:
#
# May you do good and not evil.
# May you find forgiveness for yourself and forgive others.
# May you share freely, never taking more than you give.
#
#*****

# This file implements regression tests for SQLite library. The
# focus of this file is testing built-in functions.
#
# $Id: func.test,v 1.16.2.2 2004/07/18 21:14:05 drh Exp $

set testdir [file dirname $argv0]
source $testdir/tester.tcl

# Create a table to work with.
#
do_test func-0.0 {
    execsql {CREATE TABLE tbl1(t1 text)}
    foreach word {this program is free software} {
        execsql "INSERT INTO tbl1 VALUES('$word')"
    }
    execsql {SELECT t1 FROM tbl1 ORDER BY t1}
} {free is program software this}
do_test func-0.1 {
    execsql {
        CREATE TABLE t2(a);

        INSERT INTO t2 VALUES(1);
        INSERT INTO t2 VALUES(NULL);
        INSERT INTO t2 VALUES(345);
        INSERT INTO t2 VALUES(NULL);
        INSERT INTO t2 VALUES(67890);
        SELECT * FROM t2;
    }
} {1 {} 345 {} 67890}

# Check out the length() function
#
do_test func-1.0 {
    execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {4 2 7 8 4}
do_test func-1.1 {
    set r [catch {execsql {SELECT length(*) FROM tbl1 ORDER BY t1}} msg]
    lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.2 {
    set r [catch {execsql {SELECT length(t1,5) FROM tbl1 ORDER BY t1}} msg]

```

```

lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.3 {
    execsql {SELECT length(t1), count(*) FROM tbl1 GROUP BY length(t1)
              ORDER BY length(t1)}
} {2 1 4 2 7 1 8 1}
do_test func-1.4 {
    execsql {SELECT coalesce(length(a),-1) FROM t2}
} {1 -1 3 -1 5}

# Check out the substr() function
#
do_test func-2.0 {
    execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
}
{fr is pr so th}
do_test func-2.1 {
    execsql {SELECT substr(t1,2,1) FROM tbl1 ORDER BY t1}
} {r s r o h}
do_test func-2.2 {
    execsql {SELECT substr(t1,3,3) FROM tbl1 ORDER BY t1}
} {ee {} ogr ftw is}
do_test func-2.3 {
    execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} {e s m e s}
do_test func-2.4 {
    execsql {SELECT substr(t1,-1,2) FROM tbl1 ORDER BY t1}
} {e s m e s}
do_test func-2.5 {
    execsql {SELECT substr(t1,-2,1) FROM tbl1 ORDER BY t1}
} {e i a r i}
do_test func-2.6 {
    execsql {SELECT substr(t1,-2,2) FROM tbl1 ORDER BY t1}
} {ee is am re is}
do_test func-2.7 {
    execsql {SELECT substr(t1,-4,2) FROM tbl1 ORDER BY t1}
} {fr {} gr wa th}
do_test func-2.8 {
    execsql {SELECT t1 FROM tbl1 ORDER BY substr(t1,2,20)}
} {this software free program is}
do_test func-2.9 {
    execsql {SELECT substr(a,1,1) FROM t2}
} {1 {} 3 {} 6}
do_test func-2.10 {
    execsql {SELECT substr(a,2,2) FROM t2}
} {{} {} 45 {} 78}

```

```

# Only do the following tests if TCL has UTF-8 capabilities and

```

```

# the
UTF-8 encoding is turned on in the SQLite library.
#
if {[sqlite -encoding]==="UTF-8" && "\u1234"!="u1234"} {

# Put some UTF-8 characters in the database
#
do_test func-3.0 {
execsql {DELETE FROM tbl1}
foreach word "contains UTF-8 characters hi\u1234ho" {
    execsql "INSERT INTO tbl1 VALUES('$word')"
}
execsql {SELECT t1 FROM tbl1 ORDER BY t1}
} "UTF-8 characters contains hi\u1234ho"
do_test func-3.1 {
execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {5 10 8 5}
do_test func-3.2 {
execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
} {UT ch co hi}
do_test func-3.3 {
execsql {SELECT substr(t1,1,3) FROM tbl1 ORDER BY t1}
} "UTF cha con hi\u1234"
do_test func-3.4 {
execsql {SELECT substr(t1,2,2) FROM tbl1 ORDER BY t1}
} "TF ha on i\u1234"
do_test func-3.5 {
execsql {SELECT substr(t1,2,3) FROM tbl1 ORDER BY t1}
} "TF- har ont i\u1234h"
do_test func-3.6 {
execsql {SELECT substr(t1,3,2) FROM tbl1 ORDER BY t1}
} "F- ar nt \u1234h"
do_test func-3.7 {
execsql {SELECT
substr(t1,4,2) FROM tbl1 ORDER BY t1}
} "-8 ra ta ho"
do_test func-3.8 {
execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} "8 s s o"
do_test func-3.9 {
execsql {SELECT substr(t1,-3,2) FROM tbl1 ORDER BY t1}
} "F- er in \u1234h"
do_test func-3.10 {
execsql {SELECT substr(t1,-4,3) FROM tbl1 ORDER BY t1}
} "TF- ter ain i\u1234h"
do_test func-3.99 {
execsql {DELETE FROM tbl1}
foreach word {this program is free software} {

```

```

    execsql "INSERT INTO tbl1 VALUES('$word')"
}
execsql {SELECT t1 FROM tbl1}
} {this program is free software}

};# End [sqlite -encoding]==UTF-8 and \u1234!=u1234

# Test the abs() and round() functions.
#
do_test func-4.1 {
    execsql {
        CREATE TABLE t1(a,b,c);
        INSERT INTO t1 VALUES(1,2,3);
        INSERT INTO t1 VALUES(2,1.2345678901234,-12345.67890);
        INSERT INTO t1 VALUES(3,-2,-5);
    }
    catchsql {SELECT abs(a,b) FROM t1}
} {1 {wrong number of arguments to function abs()}}
do_test func-4.2 {
    catchsql {SELECT abs() FROM t1}
} {1 {wrong number
of arguments to function abs()}}
do_test func-4.3 {
    catchsql {SELECT abs(b) FROM t1 ORDER BY a}
} {0 {2 1.2345678901234 2}}
do_test func-4.4 {
    catchsql {SELECT abs(c) FROM t1 ORDER BY a}
} {0 {3 12345.67890 5}}
do_test func-4.4.1 {
    execsql {SELECT abs(a) FROM t2}
} {1 {} 345 {} 67890}
do_test func-4.4.2 {
    execsql {SELECT abs(t1) FROM tbl1}
} {this program is free software}

do_test func-4.5 {
    catchsql {SELECT round(a,b,c) FROM t1}
} {1 {wrong number of arguments to function round()}}
do_test func-4.6 {
    catchsql {SELECT round(b,2) FROM t1 ORDER BY b}
} {0 {-2.00 1.23 2.00}}
do_test func-4.7 {
    catchsql {SELECT round(b,0) FROM t1 ORDER BY a}
} {0 {2 1 -2}}
do_test func-4.8 {
    catchsql {SELECT round(c) FROM t1 ORDER BY a}
} {0 {3 -12346 -5}}
do_test func-4.9 {

```

```

catchsql {SELECT round(c,a) FROM t1 ORDER BY a}
} {0 {3.0 -12345.68 -5.000}}
do_test func-4.10 {
    catchsql {SELECT 'x' || round(c,a) || 'y' FROM t1 ORDER BY a}
} {0 {x3.0y x-12345.68y x-5.000y}}
do_test func-4.11
{
    catchsql {SELECT round() FROM t1 ORDER BY a}
} {1 {wrong number of arguments to function round()}}
do_test func-4.12 {
    execsql {SELECT coalesce(round(a,2),'nil') FROM t2}
} {1.00 nil 345.00 nil 67890.00}
do_test func-4.13 {
    execsql {SELECT round(t1,2) FROM tbl1}
} {0.00 0.00 0.00 0.00 0.00}

```

Test the upper() and lower() functions

```

#
do_test func-5.1 {
    execsql {SELECT upper(t1) FROM tbl1}
} {THIS PROGRAM IS FREE SOFTWARE}
do_test func-5.2 {
    execsql {SELECT lower(upper(t1)) FROM tbl1}
} {this program is free software}
do_test func-5.3 {
    execsql {SELECT upper(a), lower(a) FROM t2}
} {1 1 {} {} 345 345 {} {} 67890 67890}
do_test func-5.4 {
    catchsql {SELECT upper(a,5) FROM t2}
} {1 {wrong number of arguments to function upper()}}
do_test func-5.5 {
    catchsql {SELECT upper(*) FROM t2}
} {1 {wrong number of arguments to function upper()}}

```

Test the coalesce() and nullif() functions

```

#
do_test func-6.1 {
    execsql {SELECT coalesce(a,'xyz') FROM t2}
} {1 xyz 345 xyz 67890}
do_test
func-6.2 {
    execsql {SELECT coalesce(upper(a),'nil') FROM t2}
} {1 nil 345 nil 67890}
do_test func-6.3 {
    execsql {SELECT coalesce(nullif(1,1),'nil')}
} {nil}
do_test func-6.4 {
    execsql {SELECT coalesce(nullif(1,2),'nil')}
}

```

```

} {1}
do_test func-6.5 {
    execsql {SELECT coalesce(nullif(1,NULL),'nil')}
} {1}

# Test the last_insert_rowid() function
#
do_test func-7.1 {
    execsql {SELECT last_insert_rowid()}
} [db last_insert_rowid]

# Tests for aggregate functions and how they handle NULLs.
#
do_test func-8.1 {
    execsql {
        SELECT sum(a), count(a), round(avg(a),2), min(a), max(a), count(*) FROM t2;
    }
} {68236 3 22745.33 1 67890 5}
do_test func-8.2 {
    execsql {
        SELECT max('z+'||a||'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ') FROM t2;
    }
} {z+67890abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ}
do_test func-8.3 {
    execsql {
        CREATE TEMP TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
        SELECT min('z+'||a||'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ') FROM t3;
    }
} {z+1abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ}
do_test
func-8.4 {
    execsql {
        SELECT max('z+'||a||'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ') FROM t3;
    }
} {z+67890abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ}

# How do you test the random() function in a meaningful, deterministic way?
#
do_test func-9.1 {
    execsql {
        SELECT random() is not null;
    }
} {1}

# Use the "sqlite_register_test_function" TCL command which is part of
# the text fixture in order to verify correct operation of some of
# the user-defined SQL function APIs that are not used by the built-in

```



```

# functions.
#
db close
set ::DB [sqlite db test.db]
sqlite_register_test_function $::DB testfunc
do_test func-10.1 {
    catchsql {
        SELECT testfunc(NULL,NULL);
    }
} {1 {first argument to test function may not be NULL}}
do_test func-10.2 {
    execsql {
        SELECT testfunc(
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'int', 1234
        );
    }
} {1234}
do_test func-10.3 {
    execsql {
        SELECT
        testfunc(
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'string', NULL
        );
    }
} {{}}
do_test func-10.4 {
    execsql {
        SELECT testfunc(
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'double', 1.234
        );
    }
} {1.234}
do_test func-10.5 {
    execsql {
        SELECT testfunc(
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'int', 1234,
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'string', NULL,
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'double', 1.234,
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'int', 1234,
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'string', NULL,

```

```
'string', 'abcdefghijklmnopqrstuvwxyZABCDEFGHIJKLMNOPQRSTUVWXYZ',
'double', 1.234
);
}
} {1.234}
```

Test the built-in sqlite_version(*) SQL function.

#

do_test func-11.1 {

execsql {

SELECT sqlite_version(*);

}

} [sqlite -version]

finish_test

Found in path(s):

* /sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/test/func.test

No license file was found, but licenses were detected in source scan.

/sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/art/SQLite.eps: binary file matches

Found in path(s):

* /bin/grep

No license file was found, but licenses were detected in source scan.

%define name sqlite

%define version SQLITE_VERSION

%define release 1

Name: %{name}

Summary: SQLite is a C library that implements an embeddable SQL database engine

Version: %{version}

Release: %{release}

Source: %{name}-%{version}.tar.gz

Group: System/Libraries

URL: <http://www.hwaci.com/sw/sqlite/>

License: Public Domain

BuildRoot: %{_tmppath}/%{name}-%{version}-root

%description

SQLite is a C library that implements an embeddable SQL database engine.

Programs that link with the SQLite library can have SQL database access without running a separate RDBMS process. The distribution comes with a standalone command-line access program (sqlite) that can be used to administer an SQLite database and which serves as an example of how to use the SQLite library.

%package -n %{name}-devel

Summary: Header files and libraries for developing apps which will use sqlite

Group: Development/C

Requires: %{name} = %{version}-%{release}

%description

-n %{name}-devel

The sqlite-devel package contains the header files and libraries needed to develop programs that use the sqlite database library.

%prep

%setup -q -n %{name}

%build

CFLAGS="%optflags -DNDEBUG=1" CXXFLAGS="%optflags -DNDEBUG=1" ./configure --prefix=%{_prefix}

make

make doc

%install

install -d \$RPM_BUILD_ROOT/%{_prefix}

install -d \$RPM_BUILD_ROOT/%{_prefix}/bin

install -d \$RPM_BUILD_ROOT/%{_prefix}/include

install -d \$RPM_BUILD_ROOT/%{_prefix}/lib

make install prefix=\$RPM_BUILD_ROOT/%{_prefix}

%clean

rm -fr \$RPM_BUILD_ROOT

%files

%defattr(-, root, root)

%{_libdir}/*.so*

%{_bindir}/*

%files -n %{name}-devel

%defattr(-, root, root)

%{_libdir}/pkgconfig/sqlite.pc

%{_libdir}/*.a

%{_libdir}/*.la

%{_includedir}/*

%doc doc/*

Found in path(s):

* /sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/spec.template

No license file was found, but licenses were detected in source scan.

/*

```

** The "printf" code that follows dates from the 1980's. It is in
** the public domain. The original comments are included here for
** completeness. They are very out-of-date but might be useful as
** an historical reference. Most of the "enhancements" have been backed
** out so that the functionality is now the same as standard printf().
**
*****

**
** The following modules is an enhanced replacement for the "printf" subroutines
** found in the standard C library. The following enhancements are
** supported:
**
** + Additional functions. The standard set of "printf" functions
** includes printf, fprintf, sprintf, vprintf, vfprintf, and
** vsprintf. This module adds the following:
**
** * snprintf -- Works like sprintf, but has an extra argument
**               which is the size of the buffer written
** to.
**
** * mprintf -- Similar to sprintf. Writes output to memory
**               obtained from malloc.
**
** * xprintf -- Calls a function to dispose of output.
**
** * nprintf -- No output, but returns the number of characters
**               that would have been output by printf.
**
** * A v- version (ex: vsnprintf) of every function is also
**   supplied.
**
** + A few extensions to the formatting notation are supported:
**
** * The "=" flag (similar to "-") causes the output to be
**   be centered in the appropriately sized field.
**
** * The %b field outputs an integer in binary notation.
**
** * The %c field now accepts a precision. The character output
**   is repeated by the number of times the precision specifies.
**
** * The %' field works like %c, but takes as its character the
**   next character of the
format string, instead of the next
**   argument. For example, printf("%.78'-") prints 78 minus
**   signs, the same as printf("%.78c",'-').
**
** + When compiled using GCC on a SPARC, this version of printf is

```

```
**      faster than the library printf for SUN OS 4.1.
**
**      + All functions are fully reentrant.
**
**/
```

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```
/* The IncrKey opcode is only applied to keys generated by
** MakeKey or MakeIdxKey and the results of those operands
** are always dynamic strings or zShort[] strings. So we
** are always free to modify the string in place.
**/
```

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* \$Id\$

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In 1995, Guido continued his work on Python at the Corporation for

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In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team.

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2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011	PSF	yes
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3.3	3.2			
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1.99 distlib 0.3.2

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
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2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
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2.4.2	2.4.1	2005	PSF	yes
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2.4.4	2.4.3	2006	PSF	yes
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2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
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The Distutils2 project was started by Tarek Ziad and is currently maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order, and welcome into the Fellowship of the Packaging!

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1.101 libtecla 1.4.1

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1.103 json-c 0.99.9

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Any executables

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inline

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1.115 tcl 8.6.11

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1.116 python-setuptools 58.1.0

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1.117 uclibc 4.7.3

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1.120 cffi 1.15.0

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1.122 grep 3.7

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1.123 ncurses 6.3

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-- \$Id: COPYING,v 1.10 2021/01/01 09:54:30 tom Exp \$
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1.124 libgcrypt 1.9.4

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```
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```

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```
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```

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- cipher/sha256-avx2-bmi2-amd64.S
- cipher/sha256-ssse3-amd64.S
- cipher/sha512-avx-amd64.S
- cipher/sha512-avx2-bmi2-amd64.S
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- cipher/sha512-ssse3-i386.c

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- random/jitterentropy.h
- random/rndjent.c (plus common Libgcrypt copyright holders)

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system,

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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Version 3, 29 June 2007

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product

model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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1.128 libpwquality 1.4.4

1.128.1 Available under license :

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```
/*
 * pw.c
 *
 * AAA password routines, adopted from IOX
 *
 * January 2005, Naiming Shen
 * July 2005, Craig MacFarlane
 *
 * Copyright (c) 2005, 2007, 2010, 2014-2015, 2018 by cisco Systems, Inc.
 * All rights reserved.
 *
 *-----
 * pw.c -- password encryption/decryption routines
 *
 * May 08 2000, Mark Eklund
 *
 * Copyright (c) 2002-2005, 2007, 2010, 2014-2015, 2018 by cisco Systems, Inc.
 * All rights reserved.
 *-----
 */
```

Found in path(s):

```
* /pw-tar/pw/src/pw.c
```

No license file was found, but licenses were detected in source scan.

```

/*
 * pw_defs.h
 *
 * Password defines.
 *
 * July 2005, Craig MacFarlane
 *
 * Copyright (c) 2005, 2007, 2010, 2014, 2018-2019 by cisco Systems, Inc.
 * All rights reserved.
 */

```

Found in path(s):

```
* /pw-tar/pw/include/pw_defs.h
```

No license file was found, but licenses were detected in source scan.

```

/*
 * pw.h
 *
 * Password routines, adopted from IOX
 *
 * May 2000 Mark Eklund
 * July 2005, Craig MacFarlane
 *
 * Copyright (c) 2000-2005, 2007, 2010, 2014, 2018 by cisco Systems, Inc.
 * All rights reserved.
 */

```

```

/*
 * edt: * pw_type_t
 *   Possible formats of saving the password in SysDB.
 *
 * item: PW_TYPE_CLEAR
 *   The password in the clear, visible for anybody.
 *
 * item: PW_TYPE_1WAY
 *   The password encrypted to an MD5 digest. This is not reversible.
 *
 * item: PW_TYPE_1WAY_2
 *   The password encrypted to an sha256 digest. This is not reversible.
 *
 * item: PW_TYPE_2WAY
 *   The Cisco type 7 password encryption. This is reversible
 *   by both Cisco products and several public domain programs.
 */

```

Found in path(s):

```
* /pw-tar/pw/include/pw.h
```

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Found in path(s):

* /pw-tar/pw/Makefile.binos

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/*

* pw_const.tph

*

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*/

@DIRECTIVES{

auto_import_stg = false;

skip_auto_tdl_include = true;

}@

@IMPORT_STG{

import "constant_gen.stg";

}@

@TDL{

import "pw_const.tdl"

}@

@CODE{

#ifndef __TDLC_GEN_PW_CONST_H__

#define __TDLC_GEN_PW_CONST_H__

\$constant_generate()\$

#endif /* __TDLC_GEN_PW_CONST_H__ */

}@

Found in path(s):

* /pw-tar/pw/include/pw_const.tph

1.129 glibc 2.35

1.129.1 Available under license :

@c The GNU Lesser General Public License.

@center Version 2.1, February 1999

@c This file is intended to be included within another document,

@c hence no sectioning command or @node.

@display

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1.131 expat 2.4.6

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1.132 tftp-hpa 5.2-12.el7

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Found

in path(s):

* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftpd/tftpd.c

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* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/MCONFIG.in

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*

* ----- */

Found in path(s):

* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftpd/recvfrom.h

* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftpd/recvfrom.c

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*/

```

Found in path(s):

```

* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/common/tftpsubs.h
* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftp/extern.h

```

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```

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*
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```

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* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftpd/tftpd.h

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```

Found in path(s):

* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/config.h

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Found in path(s):

* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/common/tftpsubs.c
*

/tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftp/tftp.c
* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftp/main.c

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```
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*  
* ----- */
```

Found in path(s):

* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftpd/remap.c
* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftpd/remap.h
* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftpd/misc.c

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```
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.\"
.\"----- */

```

Found in path(s):

```

* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftpd/tftpd.8.in
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```

```

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```

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.\"

.\"----- */

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* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftp/tftp.1.in

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Summary: The client for the Trivial File Transfer Protocol (TFTP).

Name: tftp

Version: @@VERSION@@

Release: 1

License: BSD

Group: Applications/Internet

Source0: <http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz>

BuildRequires: tcp_wrappers-devel

BuildRoot: %{_tmppath}/%{name}-root

%description

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.

%package server

Group: System Environment/Daemons

Summary: The server for the Trivial File Transfer Protocol (TFTP).

Requires: xinetd

%description server

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp-server package provides the server for TFTP, which allows users to transfer files to and from a remote machine. TFTP provides very little security, and should not be enabled unless it is expressly needed. The TFTP server is run from /etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep

%setup -q -n tftp-hpa-%{version}

%build

%configure

make %{?_smp_mflags}

%install


```

rm -rf ${RPM_BUILD_ROOT}
mkdir -p ${RPM_BUILD_ROOT}%{_bindir}
mkdir -p ${RPM_BUILD_ROOT}%{_mandir}/man{1,8}
mkdir -p ${RPM_BUILD_ROOT}%{_sbindir}

make INSTALLROOT=${RPM_BUILD_ROOT} \
    SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
    /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files
server
%defattr(-,root,root)
%config(noreplace) %{_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33

```

- Add /tftpboot directory (#88204)
- * Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
 - rebuilt
- * Sun Feb 23 2003 Tim Powers <timp@redhat.com>
 - add BuildPreReq on tcp_wrappers
- * Wed Jan 22 2003 Tim Powers <timp@redhat.com>
 - rebuilt
- * Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
 - Update to 0.32
- * Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
 - Fix #55789
 - Update to 0.30
- * Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>
 - Try applying HJ's patch from #65476
- *
 - Fri Jun 21 2002 Tim Powers <timp@redhat.com>
 - automated rebuild
- * Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>
 - Update to 0.29
- * Thu May 23 2002 Tim Powers <timp@redhat.com>
 - automated rebuild
- * Wed Jan 09 2002 Tim Powers <timp@redhat.com>
 - automated rebuild
- * Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15
 - Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562
 - Update to tftp-hpa-0.28 (bug #56131)
 - Remove include/arpa/tftp.h to fix #57259
 - Add resource limits in tftp-xinetd (#56722)
- * Sun Jun 24 2001 Elliot Lee <sopwith@redhat.com>
 - Bump release + rebuild.
- * Tue Jun 12 2001 Helge Deller <hdeller@redhat.de> (0.17-13)
 - updated tftp-hpa source to tftp-hpa-0.17
 - tweaked specfile with different defines for tftp-netkit and tftp-hpa version
 - use hpa's tftpd.8 man page instead of the netkits one

- * Mon May 07 2001 Helge Deller <hdeller@redhat.de>
 - rebuilt in 7.1.x
- * Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>
 - fix tftp client's put problems (#29529)
 -
 - update to tftp-hpa-0.16
- * Wed Apr 4 2001 Jakub Jelinek <jakub@redhat.com>
 - don't let configure to guess compiler, it can pick up egcs
- * Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
 - changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
 - fixed hpa-tftpd to handle files greater than 32MB (#23725)
 - added "-l" flag to hpa-tftpd for file-logging (#26467)
 - added description for "-l" to the man-page
- * Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
 - updated tftp client to 0.17 stable (#19640),
 - drop dependency on xinetd for tftp client (#25051),
- * Wed Jan 17 2001 Jeff Johnson <jbj@redhat.com>
 - xinetd shouldn't wait on tftp (which forks) (#23923).
- * Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>
 - fix to permit tftp put's (#18128).
 - startup as root with chroot to /tftpboot with early reversion to nobody is preferable to starting as nobody w/o ability to chroot.
 - %%post is needed by server, not client. Add %%postun for erasure as well.
- * Wed Aug 23 2000 Nalin Dahyabhai <nalin@redhat.com>
 - default to being disabled
- * Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>
 - correct group.
- * Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>
 - change user from root to nobody
- * Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>
 - update to tftp-hpa-0.14 (#14003).
 - add server_args (#14003).
 - remove -D_BSD_SOURCE (#14003).
- * Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>
 - cook up an xinetd config file for tftpd

- * Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
 - automatic rebuild
- * Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>
 - FHS packaging.
 - update to 0.17.
- * Fri May 5 2000 Matt Wilson <msw@redhat.com>
 - use _BSD_SOURCE for hpa's tftpd so we get BSD signal semantics.
- * Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>
 - fix description
- * Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>
 - compress man pages (again).
- * Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>
 - man pages are compressed
 - fix description and summary
- *
 - Tue Jan 4 2000 Bill Nottingham <notting@redhat.com>
 - split client and server
 - * Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>
 - update to 0.16.
 - * Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>
 - update to 0.15.
 - * Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>
 - tftpd should truncate file when overwriting (#412)
 - * Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
 - auto rebuild in the new build environment (release 22)
 - * Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>
 - compile for 6.0.
 - * Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>
 - build root
 - * Mon Apr 27 1998 Prospector System <bugs@redhat.com>
 - translations modified for de, fr, tr
 - * Mon Sep 22 1997 Erik Troan <ewt@redhat.com>
 - added check for getpwnam() failure

* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>

- initial build

Found in path(s):

* /tftp-hpa-distrotech-tftp-hpa-zip/tftp-hpa-distrotech-tftp-hpa/tftp.spec.in

1.133 libedit 20080614-2.11

1.133.1 Available under license :

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1.134 tiny-xml 0.9.5-5.3.el6

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/** @mainpage

<h1> TinyXML </h1>

TinyXML is a simple, small, C++ XML parser that can be easily integrated into other programs.

<h2> What it does. </h2>

In brief, TinyXML parses an XML document, and builds from that a Document Object Model (DOM) that can be read, modified, and saved.

XML stands for "eXtensible Markup Language." It allows you to create your own document markups. Where HTML does a very good job of marking documents for browsers, XML allows you to define any kind of document markup, for example a document that describes a "to do" list for an organizer application. XML is a very structured and convenient format. All those random file formats created to store application data can all be replaced with XML. One parser for everything.

The best place for the complete, correct, and quite frankly hard to read spec is at <http://www.w3.org/TR/2004/REC-xml-20040204/>.

An intro to XML
(that I really like) can be found at
<http://skew.org/xml/tutorial/>.

There are different ways to access and interact with XML data. TinyXML uses a Document Object Model (DOM), meaning the XML data is parsed into a C++ objects that can be browsed and manipulated, and then written to disk or another output stream. You can also construct an XML document from scratch with C++ objects and write this to disk or another output stream.

TinyXML is designed to be easy and fast to learn. It is two headers and four cpp files. Simply add these to your project and off you go. There is an example file - xmltest.cpp - to get you started.

TinyXML is released under the ZLib license, so you can use it in open source or commercial code. The details of the license are at the top of every source file.

TinyXML attempts to be a flexible parser, but with truly correct and compliant XML output. TinyXML should compile on any reasonably C++ compliant system. It does not rely on exceptions or RTTI. It can be compiled with or without STL support. TinyXML fully supports the UTF-8 encoding, and the first 64k character entities.

<h2> What it doesn't do. </h2>

TinyXML doesn't parse or use DTDs (Document Type Definitions) or XSLs (eXtensible Stylesheet Language.) There are other parsers out there (check out www.sourceforge.org, search for XML) that are much more fully featured. But they are also much bigger, take longer to set up in your project, have a higher learning curve, and often have a more restrictive license. If you are working with browsers or have more complete XML needs, TinyXML is not the parser for you.

The following DTD syntax will not parse at this time in TinyXML:

```
@verbatim
<!DOCTYPE Archiv [
  <!ELEMENT Comment (#PCDATA)>
]>
@endverbatim
```

because TinyXML sees this as a !DOCTYPE node with an illegally embedded !ELEMENT node. This may be addressed in the future.

<h2> Tutorials. </h2>

For the impatient, here is a tutorial to get you going. A great way to get started, but it is worth your time to read this (very short) manual completely.

- @subpage tutorial0

<h2> Code Status. </h2>

TinyXML is mature, tested code. It is very stable. If you find bugs, please file a bug report on the sourceforge web site (www.sourceforge.net/projects/tinyxml). We'll get them straightened out as soon as possible.

There are some areas of improvement; please check sourceforge if you are interested in working on TinyXML.

<h2> Related Projects </h2>

TinyXML projects you may find useful! (Descriptions provided by the projects.)

- TinyXPath (<http://tinyxpath.sourceforge.net>). TinyXPath is a small footprint XPath syntax decoder, written in C++.
- TinyXML++ (<http://code.google.com/p/ticpp/>). TinyXML++ is a completely new

interface to TinyXML that uses MANY of the C++ strengths. Templates, exceptions, and much better error handling.

Features

Using STL

TinyXML can be compiled to use or not use STL. When using STL, TinyXML uses the `std::string` class, and fully supports `std::istream`, `std::ostream`, `operator<<`, and `operator>>`. Many API methods have both `'const char*'` and `'const std::string&'` forms.

When STL support is compiled out, no STL files are included whatsoever. All the string classes are implemented by TinyXML itself. API methods all use the `'const char*'` form for input.

Use the compile time `#define`:

`TIXML_USE_STL`

to compile one version or the other. This can be passed by the compiler, or set as the first line of `"tinyxml.h"`.

Note: If compiling the test code in Linux, setting the environment variable `TINYXML_USE_STL=YES/NO` will control STL compilation. In the Windows project file, STL and non STL targets are provided. In your project, It's probably easiest to add the line `"#define TIXML_USE_STL"` as the first line of `tinyxml.h`.

UTF-8

TinyXML supports UTF-8 allowing to manipulate XML files in any language. TinyXML also supports "legacy mode" - the encoding used before UTF-8 support and probably best described as "extended ascii".

Normally, TinyXML will try to detect the correct encoding and use it. However, by setting the value of `TIXML_DEFAULT_ENCODING` in the header file, TinyXML can be forced to always use one encoding.

TinyXML will assume Legacy Mode until one of the following occurs:

- If the non-standard but common "UTF-8 lead bytes" (0xef 0xbb 0xbf) begin the file or data stream, TinyXML will read it as UTF-8.
- If the declaration tag is read, and it has an `encoding="UTF-8"`, then TinyXML will read it as UTF-8.

 If the declaration tag is read, and it has no encoding specified, then TinyXML will read it as UTF-8.
 If the declaration tag is read, and it has an encoding="something else", then TinyXML will read it as Legacy Mode. In legacy mode, TinyXML will work as it did before. It's not clear what that mode does exactly, but old content should keep working.
 Until one of the above criteria is met, TinyXML runs in Legacy Mode.

What happens if the encoding is incorrectly set or detected? TinyXML will try to read and pass through text seen as improperly encoded. You may get some strange results or mangled characters. You may want to force TinyXML to the correct mode.

You may force TinyXML to Legacy Mode by using LoadFile(TIXML_ENCODING_LEGACY) or LoadFile(filename, TIXML_ENCODING_LEGACY). You may force it to use legacy mode all the time by setting TIXML_DEFAULT_ENCODING = TIXML_ENCODING_LEGACY. Likewise, you may force it to TIXML_ENCODING_UTF8 with the same technique.

For English users, using English XML, UTF-8 is the same as low-ASCII. You don't need to be aware of UTF-8 or change your code in any way. You can think of UTF-8 as a "superset" of ASCII.

UTF-8 is not a double byte format - but it is a standard encoding of Unicode!

TinyXML

does not use or directly support wchar, TCHAR, or Microsoft's _UNICODE at this time. It is common to see the term "Unicode" improperly refer to UTF-16, a wide byte encoding of unicode. This is a source of confusion.

For "high-ascii" languages - everything not English, pretty much - TinyXML can handle all languages, at the same time, as long as the XML is encoded in UTF-8. That can be a little tricky, older programs and operating systems tend to use the "default" or "traditional" code page. Many apps (and almost all modern ones) can output UTF-8, but older or stubborn (or just broken) ones still output text in the default code page.

For example, Japanese systems traditionally use SHIFT-JIS encoding.

Text encoded as SHIFT-JIS can not be read by TinyXML.

A good text editor can import SHIFT-JIS and then save as UTF-8.

The Skew.org link does a great job covering the encoding issue.

The test file "utf8test.xml" is an XML containing English, Spanish, Russian, and Simplified Chinese. (Hopefully they are translated correctly). The file "utf8test.gif" is a screen capture of the XML file, rendered in IE. Note that if you don't have the correct fonts (Simplified Chinese or Russian) on your system, you won't see output that matches the GIF file even if you can parse

it correctly. Also note that (at least on my Windows machine) console output is in a Western code page, so that Print() or printf() cannot correctly display the file. This is not a bug in TinyXML - just an OS issue. No data is lost or destroyed by TinyXML. The console just doesn't render UTF-8.

<h3> Entities </h3>

TinyXML recognizes the pre-defined "character entities", meaning special characters. Namely:

```
@verbatim
&amp; &
&lt; <
&gt; >
&quot; "
&apos; '
@endverbatim
```

These are recognized when the XML document is read, and translated to there UTF-8 equivalents. For instance, text with the XML of:

```
@verbatim
Far & Away
@endverbatim
```

will have the Value() of "Far & Away" when queried from the TiXmlText object, and will be written back to the XML stream/file as an ampersand. Older versions of TinyXML "preserved" character entities, but the newer versions will translate them into characters.

Additionally, any character can be specified by its Unicode code point: The syntax " " or " " are both to the non-breaking space characher.

<h3> Printing </h3>

TinyXML can print output in several different ways that all have strengths and limitations.

- Print(FILE*). Output to a std-C stream, which includes all C files as well as stdout.
- "Pretty prints", but you don't have control over printing options.
- The output is streamed directly to the FILE object, so there is no memory overhead in the TinyXML code.
- used by Print() and SaveFile()
- operator<<. Output to a c++ stream.
- Integrates with standart C++ iostreams.
- Outputs in "network printing" mode without line breaks. Good for network transmission and moving XML

between C++ objects, but hard for a human to read.

- TiXmlPrinter. Output to a std::string or memory buffer.
- API is less concise
- Future printing options will be put here.
- Printing may change slightly in future versions as it is refined and expanded.

<h3> Streams </h3>

With TIXML_USE_STL on TinyXML supports C++ streams (operator <<,>>) streams as well as C (FILE*) streams. There are some differences that you may need to be aware of.

C style output:

- based on FILE*
- the Print() and SaveFile() methods

Generates formatted output, with plenty of white space, intended to be as human-readable as possible. They are very fast, and tolerant of ill formed XML documents. For example, an XML document that contains 2 root elements and 2 declarations, will still print.

C style input:

- based on FILE*
- the Parse() and LoadFile() methods

A fast, tolerant read. Use whenever you don't need the C++ streams.

C++ style output:

- based on std::ostream
- operator<<

Generates

condensed output, intended for network transmission rather than readability. Depending on your system's implementation of the ostream class, these may be somewhat slower. (Or may not.) Not tolerant of ill formed XML: a document should contain the correct one root element. Additional root level elements will not be streamed out.

C++ style input:

- based on std::istream
- operator>>

Reads XML from a stream, making it useful for network transmission. The tricky part is knowing when the XML document is complete, since there will almost certainly be other data in the stream. TinyXML will assume the XML data is complete after it reads the root element. Put another way, documents that are ill-constructed with more than one root element will not read correctly.

Also note that operator>> is somewhat slower than Parse, due to both implementation of the STL and limitations of TinyXML.

<h3> White space </h3>

The world simply does not agree on whether white space should be kept, or condensed.

For example, pretend the ' ' is a space, and look at "Hello____world". HTML, and at least some XML parsers, will interpret this as "Hello_world". They condense white space. Some XML parsers do not, and will leave it as "Hello____world". (Remember to keep pretending the _ is a space.) Others suggest that __Hello__world__ should become Hello____world.

It's an issue that hasn't been resolved to my satisfaction. TinyXML supports the first 2 approaches. Call `TiXmlBase::SetCondenseWhiteSpace( bool )` to set the desired behavior. The default is to condense white space.

If you change the default, you should call `TiXmlBase::SetCondenseWhiteSpace( bool )` before making any calls to Parse XML data, and I don't recommend changing it after it has been set.

<h3> Handles </h3>

Where browsing an XML document in a robust way, it is important to check for null returns from method calls. An error safe implementation can generate a lot of code like:

```
@verbatim
TiXmlElement* root = document.FirstChildElement(
    "Document" );
if ( root )
{
    TiXmlElement* element = root->FirstChildElement( "Element" );
    if ( element )
    {
        TiXmlElement* child = element->FirstChildElement( "Child" );
        if ( child )
        {
            TiXmlElement* child2 = child->NextSiblingElement( "Child" );
            if ( child2 )
            {
                // Finally do something useful.
            }
        }
    }
}
@endverbatim
```

Handles have been introduced to clean this up. Using the `TiXmlHandle` class, the previous code reduces to:

```
@verbatim
TiXmlHandle docHandle( &document );
TiXmlElement* child2 = docHandle.FirstChild( "Document" ).FirstChild( "Element" ).Child( "Child", 1
```

```

).ToElement();
if ( child2 )
{
    // do something useful
@endverbatim

```

Which is much easier to deal with. See TiXmlHandle for more information.

<h3> Row and Column tracking </h3>

Being able to track nodes and attributes back to their origin location in source files can be very important for some applications. Additionally, knowing where parsing errors occurred in the original source can be very time saving.

TinyXML can track the row and column origin of all nodes and attributes in a text file. The TiXmlBase::Row() and TiXmlBase::Column() methods return the origin of the node in the source text. The correct tabs can be configured in TiXmlDocument::SetTabSize().

<h2> Using and Installing </h2>

To Compile and Run xmltest:

A Linux Makefile and a Windows Visual C++ .dsw file is provided. Simply compile and run. It will write the file demotest.xml to your disk and generate output on the screen. It also tests walking the DOM by printing out the number of nodes found using different techniques.

The Linux makefile is very generic and runs on many systems - it is currently tested on mingw and MacOSX. You do not need to run 'make depend'. The dependencies have been hard coded.

<h3>Windows project file for VC6</h3>

```

<ul>
<li>tinyxml: tinyxml library, non-STL </li>
<li>tinyxmlSTL: tinyxml library, STL </li>
<li>tinyXmlTest: test app, non-STL </li>
<li>tinyXmlTestSTL: test app,
    STL </li>
</ul>

```

<h3>Makefile</h3>

At the top of the makefile you can set:

PROFILE, DEBUG, and TINYXML_USE_STL. Details (such that they are) are in the makefile.

In the tinyxml directory, type "make clean" then "make". The executable file 'xmltest' will be created.

<h3>To Use in an Application:</h3>

Add tinyxml.cpp, tinyxml.h, tinyxmlerror.cpp, tinyxmlparser.cpp, tinystr.cpp, and tinystr.h to your project or make file. That's it! It should compile on any reasonably compliant C++ system. You do not need to enable exceptions or RTTI for TinyXML.

<h2> How TinyXML works. </h2>

An example is probably the best way to go. Take:

@verbatim

```
<?xml version="1.0" standalone=no>
<!-- Our to do list data -->
<ToDo>
  <Item priority="1"> Go to the <bold>Toy store!</bold></Item>
  <Item priority="2"> Do bills</Item>
</ToDo>
```

@endverbatim

Its not much of a To Do list, but it will do. To read this file (say "demo.xml") you would create a document, and parse it in:

@verbatim

```
TiXmlDocument
doc( "demo.xml" );
doc.LoadFile();
```

@endverbatim

And its ready to go. Now lets look at some lines and how they relate to the DOM.

@verbatim

```
<?xml version="1.0" standalone=no>
@endverbatim
```

The first line is a declaration, and gets turned into the TiXmlDeclaration class. It will be the first child of the document node.

This is the only directive/special tag parsed by TinyXML.
Generally directive tags are stored in TiXmlUnknown so the commands won't be lost when it is saved back to disk.

```
@verbatim
<!-- Our to do list data -->
@endverbatim
```

A comment. Will become a TiXmlComment object.

```
@verbatim
<ToDo>
@endverbatim
```

The "ToDo" tag defines a TiXmlElement object. This one does not have any attributes, but does contain 2 other elements.

```
@verbatim
<Item priority="1">
@endverbatim
```

Creates another TiXmlElement which is a child of the "ToDo" element. This element has 1 attribute, with the name "priority" and the value "1".

```
@verbatim
Go to the
@endverbatim
```

A TiXmlText.
This is a leaf node and cannot contain other nodes.
It is a child of the "Item" TiXmlElement.

```
@verbatim
<bold>
@endverbatim
```

Another TiXmlElement, this one a child of the "Item" element.

Etc.

Looking at the entire object tree, you end up with:

```
@verbatim
TiXmlDocument  "demo.xml"
TiXmlDeclaration "version='1.0'" "standalone=no"
TiXmlComment   " Our to do list data"
TiXmlElement   "ToDo"
```

```
TiXmlElement "Item" Attributes: priority = 1
TiXmlText "Go to the "
TiXmlElement "bold"
TiXmlText "Toy store!"
TiXmlElement "Item" Attributes: priority=2
TiXmlText "Do bills"
@endverbatim
```

<h2> Documentation </h2>

The documentation is build with Doxygen, using the 'dox' configuration file.

<h2> License </h2>

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<h2> References </h2>

The World Wide Web Consortium is the definitive standard body for XML, and their web pages contain huge amounts of information.

The definitive spec: http://www.w3.org/TR/2004/REC-xml-20040204/

I also recommend "XML Pocket Reference" by Robert Eckstein and published by O'Reilly...the book that got

the whole thing started.

<h2> Contributors, Contacts, and a Brief History </h2>

Thanks very much to everyone who sends suggestions, bugs, ideas, and encouragement. It all helps, and makes this project fun. A special thanks to the contributors on the web pages that keep it lively.

So many people have sent in bugs and ideas, that rather than list here we try to give credit due in the "changes.txt" file.

TinyXML was originally written by Lee Thomason. (Often the "I" still in the documentation.) Lee reviews changes and releases new versions, with the help of Yves Berquin, Andrew Ellerton, and the tinyXml community.

We appreciate your suggestions, and would love to know if you use TinyXML. Hopefully you will enjoy it and find it useful. Please post questions, comments, file bugs, or contact us at:

www.sourceforge.net/projects/tinyxml

Lee Thomason, Yves Berquin, Andrew Ellerton

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the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object

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1.137 libusb-compat 0.1.4-3.el7

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1.138 golang 1.17.9

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1.139 elfutils 0.186

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1.140 lua 5.4.4

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1.141 ethtool 5.16

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1.143 iproute 5.17.0

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1.144 tdb 1.46.5

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

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#

This is a Makefile stub which handles the creation of BSD shared
libraries.

#

In order to use this stub, the following makefile variables must be defined.

#

BSDLIB_VERSION = 1.0

BSDLIB_IMAGE = libce

BSDLIB_MYDIR = et

BSDLIB_INSTALL_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD_LIB = \$(BSDLIB_IMAGE).so.\$(BSDLIB_VERSION)

BSDLIB_PIC_FLAG = -fpic

image: \$(BSD_LIB)


```
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;'/'$(BSD_LIB) $(BSD_LIB))
```

```
install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
```

install-strip: install

install-shlibs-strip:: install-shlibs

```
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
```

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
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Theodore Ts'o
23-June-2007

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Constant-time SSSE3 AES core implementation.

version 0.1

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By Mike Hamburg (Stanford University), 2009

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

*/
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=UTF-8" http-equiv="Content-Type" />
<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
-->
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<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />

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channel, #httpd, on Libera.chat, or sent to our <a href="https://httpd.apache.org/lists.html">mailing lists</a>.</div>
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var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';
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  if (w.location.hostname.toLowerCase() == "httpd.apache.org") {
    d.write('<div id="comments_thread"></div>');
    var s = d.createElement('script');
    s.type = 'text/javascript';
    s.async = true;
    s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortname + '&page=' +
comments_identifier;
    (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
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  else {
    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
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href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
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1.151 python-certifi 2021.05.30

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

1.152 curl 7.84.0

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1.153 urllib3 1.26.10

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1.155 python-setuptools 63.2.0

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1.159 mtd-utils 2.1.4

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1.162 pep517 0.12.0

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```
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1.166 glib 2.72.3

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1.167 libusb 1.0.26

1.167.1 Available under license :

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Version 2.1, February 1999

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables

containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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1.170 coreutils 9.0

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```
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1.171 libusb-compat 0.1.7

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will operate properly with a modified version of the library, if
the user
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1.172 dhcp 4.0.0b1

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1.173 openssl 3.0.7

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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1.175 colorama 0.4.5

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1.177 libsolv 0.7.22

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1.178 libtool 2.4.7

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1.181 glib 2.42.2-5.el7

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1.182 kmod 20-8.el7_2

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```

```
* Tim Martin
```

```
* Rob Earhart
```

```
* Rob Siemborski
```

```
*/
```

```
/*
```

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1.186 keyutils 1.5.8-3.el7

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1.187 zlib 1.2.7-15.el7

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1.188 popt 1.13-16.el7

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1.190 libidn 1.28-4.el7

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```
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it
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```

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```
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```

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1.195 sed 4.2.2-5.el7

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1.197 curl 7.29.0-25.el7.centos

1.197.1 Available under license :

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=====

libcurl can be built to use a fair amount of various third party libraries,
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using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

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yassl <http://www.yassl.com/>

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axTLS <http://axtls.sourceforge.net/>

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c-ares <http://daniel.haxx.se/projects/c-ares/license.html>

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib http://www.gzip.org/zlib/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

krb4

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.

MIT Kerberos <http://web.mit.edu/kerberos/www/dist/>

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fbopenssl

(Used for SPNEGO support) Unclear license. Based on its name, I assume that it uses the OpenSSL license and thus shares the same issues as described for OpenSSL above.

libidn <http://josefsson.org/libidn/>

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OpenLDAP <http://www.openldap.org/software/release/license.html>

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1.198 lsscsi 0.27-3.el7

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```

The hypothetical commands

`show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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This package was debianized by Matt Taggart <taggart@debian.org> on Wed, 2 Feb 2005 00:27:11 -0800.

It was downloaded from <http://sg.danny.cz/scsi/lsscsi.html>

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1.199 gawk 4.0.2-4.el7

1.199.1 Available under license :

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[This is the first released version of the library GPL. It is
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Because

of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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Version 3, 29 June 2007

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The

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1.201 findutils 4.5.11-5.el7

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1.204 libcap 2.22-8.el7

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Version 3, 29 June 2007

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based

on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition,

mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the

Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or

linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding

machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library

facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

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Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>
<name of author>

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MA 02111-1307, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here
is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
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@center Version 2.1, February 1999

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of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence the
version number 2.1.]
@end display

@subheading Preamble

The licenses for most software are designed to take away your

freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software---to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software---typically libraries---of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot

effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the @dfn{Lesser} General Public License because it does @emph{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run

that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a ``work based on the library" and a ``work that uses the library". The former

contains code derived from the library, whereas the latter must be combined with the library in order to run.

@subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called ``this License"). Each licensee is addressed as ``you".

A ``library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The ``Library", below, refers to any such software library or work which has been distributed under these terms. A ``work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it,

either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term ``modification".)

``Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

@item

You may copy and distribute

verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

@item

You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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The modified work must itself be a software library.

@item

You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

@item

You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

@item

If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

@end enumerate

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

@item

You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

@item

You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

@item

A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a ``work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a ``work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a ``work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a ``work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise,
if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

@item

As an exception to the Sections above, you may also combine or link a ``work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable ``work that uses the Library'', as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

@item

Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

@item

Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

@item

If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

@item

Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

@end enumerate

For an executable, the required form of the ``work that uses the Library'' must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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```
<program> Copyright (C) <year> <name of author>
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```

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1.216 bash 4.2.46-20.el7_2

1.216.1 Available under license :

From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>

From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged
some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

From spcedt@armory.com Wed May 10 10:21:11 1995

Flags: 10

Return-Path: spcedt@armory.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
(8.6.10+cwru/CWRU-2.1-ins)

id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcedt@armory.com for <chet@odin.INS.CWRU.Edu>)

Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with
SMTP (8.6.10+cwru/CWRU-2.3)

id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcedt@armory.com for <chet@po.cwru.edu>)

From: John DuBois <spcedt@armory.com>

Date: Tue, 9 May 1995 22:33:12 -0700

In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>

"ksh scripts" (May 9, 1:36pm)

X-Www: http://www.armory.com/~spcedt/

X-Mailer: Mail User's Shell (7.2.5 10/14/92)

To: chet@po.cwru.edu

Subject: Re: ksh scripts

Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might
want to pick up the latest versions
before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

} Subject: ksh scripts

} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995

} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;

} 9 May 95 10:39 PDT

} Received: (chets@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chets@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chets@odin.ins.cwru.edu
} Reply-To: chets@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chets@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in
} the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
} --
} ``The lyf so short, the craft so long to lerne." - Chaucer
}
} Chet Ramey, Case Western Reserve University Internet: chets@po.CWRU.Edu
}-- End of excerpt from Chet Ramey

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From mikel@ora.com Tue Aug 1 12:13:20 1995

Flags: 10

Return-Path: mikel@ora.com

Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP (8.6.12+cwru/CWRU-2.1-ins)

id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)

Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995 12:07:51 -0400

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id AA00672; Tue, 1 Aug 95 08:57:32 EDT

Date: Tue, 1 Aug 95 08:57:32 EDT

From: mikel@ora.com (Michael Loukides)

Message-Id: <9508011257.AA00672@los.ora.com>

Subject: Re: Ksh debugger from Rosenblatt's book [for bash]

To: Chet Ramey <chet@odin.INS.CWRU.Edu>

Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com

In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger to work with bash-2.0. Does ORA have any problem with me distributing

it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and stick it in our ftp archive, and put a reference to it in the book. (Too late to actually discuss the thing, at least for this edition).

1.217 libdrm 2.4.60-3.el7

1.217.1 Available under license :

From RPM File Metadata:MIT

1.218 nss 3.21.0-9.el7_2

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Version 1.1

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Index: tdbsa/tdb.c

```
=====
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell      2005
+ Copyright (C) Andrew Tridgell      1999-2005
+ Copyright (C) Jeremy Allison      2000-2006
+ Copyright (C) Paul 'Rusty' Russell  2000

** NOTE! The following LGPL license applies to the tdb
** library. This does NOT imply that all of Samba is released
```

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Gadi Oxman, August 1995

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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#

This is a Makefile stub which handles the creation of BSD shared


```

# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image: $(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

```

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Theodore Ts'o
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This is the Debian GNU/Linux prepackaged version of the Common Error
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system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
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tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

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1.220 util-linux 2.23.2-26.el7

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size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0

#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device	Boot	Start	End	Blocks	Id	System

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device	Boot	Start	End	Blocks	Id	System
__ts_dev__1		2048	4095	1024	83	Linux

Create 2st primary partition

1bebf87248e05d6e4e62b749da65d023

bsd.img

Set 2nd partition type

2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

Device	Boot	Start	End	Blocks	Id	System
__ts_dev__1		2048	4095	1024	83	Linux
__ts_dev__2		4096	20479	8192	a5	FreeBSD

Create default BSD

2e1cee529cb59c9341afef0443f196a1 bsd.img

---layout-----

Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

4 partitions:

#	start	end	size	fstype	[fsize	bsize	cpg]
c:	4096	20479	16384	unused	0	0	
d:	0						
	16064	16065	unused	0	0		

BSD disklabel command (m for help):

Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-----

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

4 partitions:

#	start	end	size	fstype	[fsize	bsize	cpg]
a:	4096	6144	2049	4.2BSD	0	0	0
c:	4096	20479	16384	unused	0	0	
d:	0	16064	16065	unused	0	0	

BSD disklabel command (m for help):

Command (m for help):

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

0	unused	5	4.1BSD	9	4.4LFS	d	boot
1	swap						
	6 Eighth Edition	a	unknown	e	ADOS		
2	Version 6	7	4.2BSD	b	HPFS	f	HFS
3	Version 7	8	MS-DOS	c	ISO-9660	10	AdvFS
4	System V						

BSD disklabel command (m for help):

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1.221 vim 7.4.160-1.el7

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uganda.txt For Vim version 7.4. Last change: 2013 Jul 06

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=====

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered.

Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are

very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:

Kibaale Children's Centre
p.o.
box 1658
Masaka, Uganda, East Africa

Sending money: **iccf-donations**

Check the ICCF web site for the latest information! See [|iccf|](#) for the URL.

USA: The methods mentioned below can be used.

Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.

For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353

If

you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
<http://iccf-holland.org/germany.html>

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro (\$500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A

IBAN: NL95 INGB 0004 5487 74

under the name "stichting ICCF Holland", Lisse

If that doesn't work:

Rabobank Lisse, account 3765.05.117

Swift code: RABO NL 2U

under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

Bram Moolenaar

Finsterruetihof 1

8134 Adliswil

Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:

1.222 lua 5.1.4-14.el7

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1.223 net-tools 2.0-0.17.20131004git.el7

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```
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```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.224 libdaemon 0.14-7.el7

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1.225 elfutils 0.163-3.el7

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* `configure.ac`, `Makefile.am`: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino

<jmmv@users.sourceforge.net>

* `atf-c/ui.c`: The `format_paragraph` and `format_text` functions were

derived from the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

=====
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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1.232 libgcrypt 1.5.3-12.el7_1.1

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```

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<signature of Ty Coon>, 1 April 1989
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1.234 util-linux 2.23.2-26.el7_2.3

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<signature of Ty Coon>, 1 April 1989

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size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0

#1: 32 7648 0x83

#2: 7680 8704 0xa5

#5: 7936 4864 0x7 (freebsd)

#6: 12544 3584 0x7 (freebsd)

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Initialize empty image

f1c9645dbc14efddc7d8a322685f26eb bsd.img

Create new DOS partition table

57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

Device	Boot	Start	End	Blocks	Id	System

Create 1st primary partition

ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

Device	Boot	Start	End	Blocks	Id	System
__ts_dev__1		2048	4095	1024	83	Linux

Create 2st primary partition

1bebf87248e05d6e4e62b749da65d023

bsd.img

Set 2nd partition type

2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

Device	Boot	Start	End	Blocks	Id	System
__ts_dev__1		2048	4095	1024	83	Linux
__ts_dev__2		4096	20479	8192	a5	FreeBSD

Create default BSD

2e1cee529cb59c9341afef0443f196a1 bsd.img

---layout-----

Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

4 partitions:

#	start	end	size	fstype	[fsize	bsize	cpg]
c:	4096	20479	16384	unused	0	0	
d:	0						
	16064	16065	unused	0	0		

BSD disklabel command (m for help):

Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-----

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

4 partitions:

#	start	end	size	fstype	[fsize	bsize	cpg]
a:	4096	6144	2049	4.2BSD	0	0	0
c:	4096	20479	16384	unused	0	0	
d:	0	16064	16065	unused	0	0	

BSD disklabel command (m for help):

Command (m for help):

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

0	unused	5	4.1BSD	9	4.4LFS	d	boot
1	swap						
	6	Eighth Edition	a	unknown	e	ADOS	
2	Version 6	7	4.2BSD	b	HPFS	f	HFS
3	Version 7	8	MS-DOS	c	ISO-9660	10	AdvFS
4	System V						

BSD disklabel command (m for help):

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- */

1.235 libffi 3.0.13-16.el7

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1.236 libsepol 2.1.9-3.el7

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1.237 pciutils 3.2.1-4.el7

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1.239 bzip2 1.0.6-13.el7

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

```
-----  
/* -----  
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lossless, block-sorting data compression.
```

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```
----- */
```

1.240 libgpg-error 1.12-3.el7

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b) Use a suitable shared library mechanism for linking with the

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1.241 tcp-wrappers 7.6-77.el7

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1.242 libnl3 1.1.4-3.el7

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1.243 openssl 0.9.8e-29.el7.centos.3

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1.245 zip 3.0-10.el7

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RECORD

Carriage_Control carriage_return
Format stream_lf

1.246 pcre 8.32-15.el7_2.1

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Written by: Philip Hazel
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1.247 unzip 6.0-15.el7

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1.248 openssh 6.6.1p1-25.el7_2

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1.250 systemd 250.5

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* /netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/glob.h

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* /netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/cmds.c

*

/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/cmdtab.c

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 *
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 * \$Id: ftp_var.h,v 1.12 1999/10/02 18:39:17 dholland Exp \$
 */

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- *
- * from: @(#)pathnames.h 5.2 (Berkeley) 6/1/90
- * \$Id: pathnames.h,v 1.1 1996/07/13 23:46:07 dholland Exp \$
- */

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- * /netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/pathnames.h

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*

- * stdio.c
- * by Mark Gates <mgates@nlanr.net>
- * and Ajay Tirumalla <tirumala@ncsa.uiuc.edu>
- * -----
- * input and output numbers, converting with kilo, mega, giga
- * ----- */

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1.254 binutils 2.38

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and

distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified

Library refers to a function or a

table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system,

rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact

that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for

this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is

analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses

the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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(This file is under construction.) *- text -*

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

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+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith

Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors

(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30

(tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.255 sysv-init 3.01

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1.256 time 1.9-r0

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1.258 fdisk 2.37.4

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```
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```

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```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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Version 3, 29 June 2007

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1.263 pciutils 3.0.0

1.263.1 Available under license :

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/*

* The PCI Library -- Access to i386 I/O ports on Windows

*

* Copyright (c) 2004 Alexander Stock <stock.alexander@gmx.de>

* Copyright (c) 2006 Martin Mares <mj@ucw.cz>

*

* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/i386-io-windows.h

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/*

* The PCI Library -- Access to i386 I/O ports on Linux

*

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*/

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* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/i386-io-linux.h

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/* Declarations for getopt.

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Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/compat/getopt.h

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/*

* The PCI Library -- Access to i386 I/O ports on Solaris

*

* Copyright (c) 2003 Bill Moore <billm@eng.sun.com>

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Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/i386-io-sunos.h

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/*

* The PCI Library -- Internal Stuff

*

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* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/internal.h

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/*

* The PCI Library -- Direct Configuration access via i386 Ports

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Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/i386-ports.c

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/*

* The PCI Utilities -- List All PCI Devices

*

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*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lspci.c

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/* Getopt for GNU.

NOTE: getopt is now part of the C library, so if you don't know what
"Keep this file name-space clean" means, talk to roland@gnu.ai.mit.edu
before changing it!

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Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/compat/getopt.c

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/*

* The PCI Library -- User Access

*

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* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/access.c

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#

List of PCI ID's

#

Maintained by Martin Mares <mj@ucw.cz> and other volunteers from the

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#

New data are always welcome, especially if accurate. If you have

anything to contribute, please follow the instructions at the web site

or send a diff -u against the most recent pci.ids to pci-ids@ucw.cz.

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#

\$Id: pci.ids,v 1.58 2007/05/04 09:42:19 mares Exp \$

#

Vendors, devices and subsystems. Please keep sorted.

Syntax:

vendor vendor_name

device device_name <-- single tab

subvendor subdevice subsystem_name <-- two tabs

0000 Gammagraphx, Inc.

001a Ascend Communications, Inc.

001c PEAK-System Technik GmbH

0001 PCAN-PCI CAN-Bus controller

0033 Paradyne corp.

003d Lockheed Martin-Marietta Corp

Real TJN ID is e159,

but they got it wrong several times --mj

0059 Tiger Jet Network Inc. (Wrong ID)

0070 Hauppauge computer works Inc.

0003 WinTV PVR-250

0009 WinTV PVR-150

0801 WinTV PVR-150

0807 WinTV PVR-150

4000 WinTV PVR-350

4001 WinTV PVR-250 (v1)

4009 WinTV PVR-250

4800 WinTV PVR-350

4801 WinTV PVR-250 MCE

4803 WinTV PVR-250

8003 WinTV PVR-150

8801 WinTV PVR-150

c801 WinTV PVR-150

e807 WinTV PVR-500 MCE (1st tuner)

e817 WinTV PVR-500 MCE (2nd tuner)

0071 Nebula Electronics Ltd.

0095 Silicon Image, Inc. (Wrong ID)

0680 Ultra ATA/133 IDE RAID CONTROLLER CARD

Wrong ID used in subsystem ID of the TELES.S0/PCI 2.x ISDN adapter

00a7 Teles AG (Wrong ID)

00f5 BFG Technologies, Inc.

0100 Ncipher Corp Ltd

0123 General Dynamics

018a is not LevelOne but there is a board misprogrammed

018a LevelOne

0106 FPC-0106TX misprogrammed [RTL81xx]

021b is not Compaq but there is a board misprogrammed

021b Compaq Computer Corporation

8139 HNE-300 (RealTek RTL8139c) [iPaq

Networking]

0270 Hauppauge computer works Inc. (Wrong ID)

0291 Davicom Semiconductor, Inc.
 8212 DM9102A(DM9102AE, SM9102AF) Ethernet 100/10 MBit(Rev 40)
 # SpeedStream is Efficient Networks, Inc, a Siemens Company
 02ac SpeedStream
 1012 1012 PCMCIA 10/100 Ethernet Card [RTL81xx]
 02e0 XFX Pine Group Inc
 0315 SK-Electronics Co., Ltd.
 0357 TTTech AG
 000a TTP-Monitoring Card V2.0
 0403 Future Technology Devices International Ltd
 0432 SCM Microsystems, Inc.
 0001 Pluto2 DVB-T Receiver for PCMCIA [EasyWatch MobilSet]
 045e Microsoft
 006e MN-510 802.11b wireless USB paddle
 00c2 MN-710 wireless USB paddle
 0482 Kyocera
 04cf Myson Century, Inc
 8818 CS8818 USB2.0-to-ATAPI Bridge Controller with Embedded PHY
 050d Belkin
 001a FSD7000 802.11g PCI Wireless card
 0109 F5U409-CU USB/Serial Portable Adapter
 7050 F5D7050 802.11g Wireless USB Adapter
 705c F5D7050 v4
 058f Alcor Micro Corporation
 9254 AU9254 (4-port USB hub)
 05a9 OmniVision
 8519 OV519 series
 05e3 CyberDoor
 0701
 CBD516
 066f Sigmatel Inc.
 3410 SMTP3410
 3500 SMTP3500
 0675 Dynalink
 1700 IS64PH ISDN Adapter
 1702 IS64PH ISDN Adapter
 1703 ISDN Adapter (PCI Bus, DV, W)
 1704 ISDN Adapter (PCI Bus, D, C)
 067b Prolific Technology, Inc.
 2303 PL-2303 USB-to-Serial Converter
 3507 PL-3507 Hi-Speed USB & IEEE 1394 Combo to IDE Bridge Controller
 069d Hughes Network Systems (HNS)
 0721 Sapphire, Inc.
 07ca AVerMedia Technologies Inc.
 b808 AVerTV DVB-T Volar (USB 2.0)
 07e2 ELMPEG Communication Systems GmbH
 0842 NPG, Personal Grand Technology
 08ff AuthenTec

afe4 [Anchor] AF-S2 FingerLoc Sensor Module
 # Wrong ID used in subsystem ID of VIA USB controllers.
 0925 VIA Technologies, Inc. (Wrong ID)
 093a PixArt Imaging Inc.
 010e Innovage Mini Digital Camera
 010f SDC-300 Webcam
 2468 CIF Single Chip
 2600 PAC7311
 2603 Philips Webcam SPC500NC
 2608 Maxell MaxCam RotaWeb
 09c1 Arris
 0704 CM 200E Cable Modem
 0a89 BREA Technologies Inc
 0ace ZyDAS
 1211 ZD1211 IEEE 802.11b+g
 USB Adapter
 0b0b Rhino Equiment Corp.
 0105 Rhino R1T1
 0205 Rhino R4FXO
 0206 RCB4FXO 4-channel FXO analog telephony card
 0305 Rhino R4T1
 0405 Rhino R8FXX
 0406 RCB8FXX 8-channel modular analog telephony card
 0505 Rhino R24FXX
 0506 RCB24FXS 24-Channel FXS analog telephony card
 0605 Rhino R2T1
 0705 Rhino R24FXS
 0706 RCB24FXO 24-Channel FXO analog telephony card
 0905 R1T3 Single T3 Digital Telephony Card
 0906 RCB24FXX 24-channel modular analog telephony card
 0a06 RCB672FXX 672-channel modular analog telephony card
 0b49 ASCII Corporation
 064f Trance Vibrator
 0ccd TerraTec Electronic GmbH
 0038 Cinergy T^2 DVB-T Receiver
 0e11 Compaq Computer Corporation
 0001 PCI to EISA Bridge
 0002 PCI to ISA Bridge
 0046 Smart Array 64xx
 0e11 4091 Smart Array 6i
 0e11 409a Smart Array 641
 0e11 409b Smart Array 642
 0e11 409c Smart Array 6400
 0e11 409d Smart Array 6400 EM
 0049 NC7132 Gigabit Upgrade Module
 004a NC6136 Gigabit Server Adapter
 005a Remote

Insight II board - Lights-Out
007c NC7770 1000BaseTX
007d NC6770 1000BaseTX
0085 NC7780 1000BaseTX
00b1 Remote Insight II board - PCI device
00bb NC7760
00ca NC7771
00cb NC7781
00cf NC7772
00d0 NC7782
00d1 NC7783
00e3 NC7761
0508 Netelligent 4/16 Token Ring
1000 Triflex/Pentium Bridge, Model 1000
2000 Triflex/Pentium Bridge, Model 2000
3032 QVision 1280/p
3033 QVision 1280/p
3034 QVision 1280/p
4000 4000 [Triflex]
4030 SMART-2/P
4031 SMART-2SL
4032 Smart Array 3200
4033 Smart Array 3100ES
4034 Smart Array 221
4040 Integrated Array
4048 Compaq Raid LC2
4050 Smart Array 4200
4051 Smart Array 4250ES
4058 Smart Array 431
4070 Smart Array 5300
4080 Smart Array 5i
4082 Smart Array 532
4083 Smart Array 5312
4091 Smart Array 6i
409a Smart Array 641
409b Smart Array 642
409c Smart Array 6400
409d Smart Array 6400 EM
6010 HotPlug PCI Bridge 6010
7020 USB Controller
a0ec Fibre Channel Host Controller
a0f0 Advanced System
Management Controller
a0f3 Triflex PCI to ISA Bridge
a0f7 PCI Hotplug Controller
8086 002a PCI Hotplug Controller A
8086 002b PCI Hotplug Controller B
a0f8 ZFMicro Chipset USB

a0fc FibreChannel HBA Tachyon
ae10 Smart-2/P RAID Controller
0e11 4030 Smart-2/P Array Controller
0e11 4031 Smart-2SL Array Controller
0e11 4032 Smart Array Controller
0e11 4033 Smart 3100ES Array Controller
ae29 MIS-L
ae2a MPC
ae2b MIS-E
ae31 System Management Controller
ae32 Netelligent 10/100 TX PCI UTP
ae33 Triflex Dual EIDE Controller
ae34 Netelligent 10 T PCI UTP
ae35 Integrated NetFlex-3/P
ae40 Netelligent Dual 10/100 TX PCI UTP
ae43 Netelligent Integrated 10/100 TX UTP
ae69 CETUS-L
ae6c Northstar
ae6d NorthStar CPU to PCI Bridge
b011 Netelligent 10/100 TX Embedded UTP
b012 Netelligent 10 T/2 PCI UTP/Coax
b01e NC3120 Fast Ethernet NIC
b01f NC3122 Fast Ethernet NIC
b02f NC1120 Ethernet NIC
b030 Netelligent 10/100 TX UTP
b04a 10/100 TX
PCI Intel WOL UTP Controller
b060 Smart Array 5300 Controller
b0c6 NC3161 Fast Ethernet NIC
b0c7 NC3160 Fast Ethernet NIC
b0d7 NC3121 Fast Ethernet NIC
b0dd NC3131 Fast Ethernet NIC
b0de NC3132 Fast Ethernet Module
b0df NC6132 Gigabit Module
b0e0 NC6133 Gigabit Module
b0e1 NC3133 Fast Ethernet Module
b123 NC6134 Gigabit NIC
b134 NC3163 Fast Ethernet NIC
b13c NC3162 Fast Ethernet NIC
b144 NC3123 Fast Ethernet NIC
b163 NC3134 Fast Ethernet NIC
b164 NC3165 Fast Ethernet Upgrade Module
b178 Smart Array 5i/532
0e11 4080 Smart Array 5i
0e11 4082 Smart Array 532
0e11 4083 Smart Array 5312
b1a4 NC7131 Gigabit Server Adapter
b200 Memory Hot-Plug Controller

b203 Integrated Lights Out Controller
 b204 Integrated Lights Out Processor
 f130 NetFlex-3/P ThunderLAN 1.0
 f150 NetFlex-3/P ThunderLAN 2.3
 0e21 Cowon Systems, Inc.
 0e55 HaSoTec GmbH
 0eac SHF Communication Technologies AG
 # Formerly NCR
 1000 LSI Logic / Symbios Logic
 0001 53c810
 1000
 1000 LSI53C810AE PCI to SCSI I/O Processor
 0002 53c820
 0003 53c825
 1000 1000 LSI53C825AE PCI to SCSI I/O Processor (Ultra Wide)
 0004 53c815
 0005 53c810AP
 0006 53c860
 1000 1000 LSI53C860E PCI to Ultra SCSI I/O Processor
 000a 53c1510
 0e11 b143 Integrated Dual Channel Wide Ultra2 SCSI Controller
 1000 1000 LSI53C1510 PCI to Dual Channel Wide Ultra2 SCSI Controller (Nonintelligent mode)
 000b 53C896/897
 0e11 6004 EOB003 Series SCSI host adapter
 1000 1000 LSI53C896/7 PCI to Dual Channel Ultra2 SCSI Multifunction Controller
 1000 1010 LSI22910 PCI to Dual Channel Ultra2 SCSI host adapter
 1000 1020 LSI21002 PCI to Dual Channel Ultra2 SCSI host adapter
 13e9 1000 6221L-4U (Dual U2W SCSI, dual 10/100TX, graphics)
 000c 53c895
 1000 1010 LSI8951U PCI to Ultra2 SCSI host adapter
 1000 1020 LSI8952U PCI to Ultra2 SCSI host adapter
 1de1 3906 DC-390U2B SCSI adapter
 1de1 3907 DC-390U2W
 000d 53c885
 000f 53c875
 0e11 7004 Embedded Ultra Wide SCSI
 Controller
 1000 1000 LSI53C876/E PCI to Dual Channel SCSI Controller
 1000 1010 LSI22801 PCI to Dual Channel Ultra SCSI host adapter
 1000 1020 LSI22802 PCI to Dual Channel Ultra SCSI host adapter
 1092 8760 FirePort 40 Dual SCSI Controller
 1775 10d0 V5D Single Board Computer Wide Ultra SCSI
 1775 10d1 V5D Single Board Computer Ultra SCSI
 1de1 3904 DC390F/U Ultra Wide SCSI Adapter
 4c53 1000 CC7/CR7/CP7/VC7/VP7/VR7 mainboard
 4c53 1050 CT7 mainboard
 0010 53C1510
 0e11 4040 Integrated Array Controller

0e11 4048 RAID LC2 Controller
 1000 1000 53C1510 PCI to Dual Channel Wide Ultra2 SCSI Controller (Intelligent mode)
 0012 53c895a
 1000 1000 LSI53C895A PCI to Ultra2 SCSI Controller
 0013 53c875a
 1000 1000 LSI53C875A PCI to Ultra SCSI Controller
 0020 53c1010 Ultra3 SCSI Adapter
 1000 1000 LSI53C1010-33 PCI to Dual Channel Ultra160 SCSI Controller
 107b 1040 Server Onboard 53C1010-33
 1de1 1020 DC-390U3W
 0021 53c1010 66MHz Ultra3 SCSI Adapter
 1000
 1000 LSI53C1000/1000R/1010R/1010-66 PCI to Ultra160 SCSI Controller
 1000 1010 Asus TR-DLS onboard 53C1010-66
 103c 1330 Ultra160 SCSI [A7059A]
 103c 1340 Ultra160 SCSI [A7060A]
 124b 1070 PMC-USCSI3
 4c53 1080 CT8 mainboard
 4c53 1300 P017 mezzanine (32-bit PMC)
 4c53 1310 P017 mezzanine (64-bit PMC)
 0030 53c1030 PCI-X Fusion-MPT Dual Ultra320 SCSI
 0e11 00da ProLiant ML 350
 1028 0123 PowerEdge 2600
 1028 014a PowerEdge 1750
 1028 016c PowerEdge 1850 MPT Fusion SCSI/RAID (Perc 4)
 1028 0183 PowerEdge 1800
 1028 1010 LSI U320 SCSI Controller
 103c 12c5 Ultra320 SCSI [A7173A]
 124b 1170 PMC-USCSI320
 1734 1052 Primergy RX300 S2
 0031 53c1030ZC PCI-X Fusion-MPT Dual Ultra320 SCSI
 0032 53c1035 PCI-X Fusion-MPT Dual Ultra320 SCSI
 1000 1000 LSI53C1020/1030 PCI-X to Ultra320 SCSI Controller
 0033 1030ZC_53c1035 PCI-X Fusion-MPT Dual Ultra320 SCSI
 0040 53c1035 PCI-X Fusion-MPT Dual Ultra320 SCSI
 1000 0033 MegaRAID SCSI 320-2XR
 1000 0066
 MegaRAID SCSI 320-2XRWS
 0041 53C1035ZC PCI-X Fusion-MPT Dual Ultra320 SCSI
 0050 SAS1064 PCI-X Fusion-MPT SAS
 0054 SAS1068 PCI-X Fusion-MPT SAS
 1028 1f09 PowerEdge 860 SAS 5i/R
 0055 SAS1068 PCI-X Fusion-MPT SAS
 1033 8336 SAS1068
 0056 SAS1064ET PCI-Express Fusion-MPT SAS
 0057 M1064E MegaRAID SAS
 0058 SAS1068E PCI-Express Fusion-MPT SAS
 005a SAS1066E PCI-Express Fusion-MPT SAS

005c SAS1064A PCI-X Fusion-MPT SAS
 005e SAS1066 PCI-X Fusion-MPT SAS
 0060 MegaRAID SAS 1078
 1000 1006 MegaRAID SAS 8888ELP
 1000 100a MegaRAID SAS 8708ELP
 1000 100e MegaRAID SAS 8884E
 1000 100f MegaRAID SAS 8708E
 1000 1010 MegaRAID SATA 350-8ELP
 1000 1011 MegaRAID SATA 350-4ELP
 1000 1012 MegaRAID SAS 8704ELP
 1000 1016 MegaRAID SAS 8880EM2
 1014 0363 MegaRAID SAS PCI Express ROMB
 1014 0364 SystemX MegaRAID SAS 8808E
 1014 0365 SystemX MegaRAID SAS 8884E
 1014 0379 SystemX MegaRAID SAS 8880EM2
 1028 1f0a PERC 6/E Adapter RAID Controller
 1028 1f0b PERC
 6/i Adapter RAID Controller
 1028 1f0c PERC 6/i Integrated RAID Controller
 1028 1f0d CERC 6/i Adapter RAID Controller
 1028 1f11 CERC 6/i Integrated RAID Controller
 1043 824d MegaRAID SAS PCI Express ROMB
 1170 002f MegaRAID SAS PCI Express ROMB
 8086 1006 RAID Controller SRCASAS28EP
 8086 100a RAID Controller SRCASAS28EV
 8086 1010 RAID Controller SRCASATA28E
 8086 34cc Integrated RAID Controller SROMBSAS28E
 8086 34cd Integrated RAID Controller SROMBSAS28E
 0062 SAS1078 PCI-Express Fusion-MPT SAS
 1000 0062 SAS1078 PCI-Express Fusion-MPT SAS
 008f 53c875J
 1092 8000 FirePort 40 SCSI Controller
 1092 8760 FirePort 40 Dual SCSI Host Adapter
 0407 MegaRAID
 1000 0530 MegaRAID 530 SCSI 320-0X RAID Controller
 1000 0531 MegaRAID 531 SCSI 320-4X RAID Controller
 1000 0532 MegaRAID 532 SCSI 320-2X RAID Controller
 1028 0531 PowerEdge Expandable RAID Controller 4/QC
 1028 0533 PowerEdge Expandable RAID Controller 4/QC
 8086 0530 MegaRAID Intel RAID Controller
 SRCZCRX
 8086 0532 MegaRAID Intel RAID Controller SRCU42X
 0408 MegaRAID
 1000 0001 MegaRAID SCSI 320-1E RAID Controller
 1000 0002 MegaRAID SCSI 320-2E RAID Controller
 1025 004d MegaRAID ACER ROMB-2E RAID Controller
 1028 0001 PowerEdge RAID Controller PERC4e/SC
 1028 0002 PowerEdge RAID Controller PERC4e/DC

1028 0012 PowerEdge RAID Controller RAC4
1028 0015 PowerEdge RAID Controller PERC5
1028 1f03 PowerEdge RAID Controller PERC5
1734 1065 FSC MegaRAID PCI Express ROMB
8086 0002 MegaRAID Intel RAID Controller SRCU42E
0409 MegaRAID
1000 3004 MegaRAID SATA 300-4X RAID Controller
1000 3008 MegaRAID SATA 300-8X RAID Controller
8086 3008 MegaRAID RAID Controller SRCS28X
8086 3431 MegaRAID RAID Controller Alief SROMBU42E
8086 3499 MegaRAID RAID Controller Harwich SROMBU42E
0411 MegaRAID SAS
1000 1001 MegaRAID SAS 8408E
1000 1002 MegaRAID SAS 8480E
1000 1003 MegaRAID SAS 8344ELP
1000 1004 MegaRAID SAS 8308ELP
1000 1008
MegaRAID SAS 84016E
1000 100c MegaRAID SATA 300-12E
1000 100d MegaRAID SATA 300-16E
1000 2004 MegaRAID SATA 300-8ELP
1000 2005 MegaRAID SATA 300-4ELP
1033 8287 MegaRAID SAS PCI Express ROMB
1054 3016 MegaRAID SAS RoMB Server
1734 1081 MegaRAID SAS PCI Express ROMB
1734 10a3 MegaRAID SAS PCI Express ROMB
8086 1001 RAID Controller SRCAS18E
8086 1003 RAID Controller SRCAS144E
8086 3500 SROMBSAS18E RAID Controller
8086 3501 SROMBSAS18E RAID Controller
8086 3504 SROMBSAS18E RAID Controller
0413 MegaRAID SAS Verde ZCR
1000 1005 MegaRAID SAS 8300XLP
0621 FC909 Fibre Channel Adapter
0622 FC929 Fibre Channel Adapter
1000 1020 44929 O Dual Fibre Channel card
0623 FC929 LAN
0624 FC919 Fibre Channel Adapter
0625 FC919 LAN
0626 FC929X Fibre Channel Adapter
1000 1010 7202-XP-LC Dual Fibre Channel card
0627 FC929X LAN
0628 FC919X Fibre Channel Adapter
0629 FC919X LAN
0640 FC949X Fibre Channel Adapter
0642 FC939X Fibre Channel
Adapter
0646 FC949ES Fibre Channel Adapter

0701 83C885 NT50 DigitalScape Fast Ethernet
0702 Yellowfin G-NIC gigabit ethernet
1318 0000 PEI100X
0804 SA2010
0805 SA2010ZC
0806 SA2020
0807 SA2020ZC
0901 61C102
1000 63C815
1960 MegaRAID
1000 0518 MegaRAID 518 SCSI 320-2 Controller
1000 0520 MegaRAID 520 SCSI 320-1 Controller
1000 0522 MegaRAID 522 i4 133 RAID Controller
1000 0523 MegaRAID SATA 150-6 RAID Controller
1000 4523 MegaRAID SATA 150-4 RAID Controller
1000 a520 MegaRAID ZCR SCSI 320-0 Controller
1028 0518 MegaRAID 518 DELL PERC 4/DC RAID Controller
1028 0520 MegaRAID 520 DELL PERC 4/SC RAID Controller
1028 0531 PowerEdge Expandable RAID Controller 4/QC
1028 0533 PowerEdge Expandable RAID Controller 4/QC
8086 0520 MegaRAIDRAID Controller SRCU41L
8086 0523 MegaRAID RAID Controller SRCS16
1001 Kolter Electronic
0010 PCI 1616 Measurement card with 32 digital I/O lines
0011 OPTO-PCI Opto-Isolated digital I/O board
0012 PCI-AD/DA
Analogue I/O board
0013 PCI-OPTO-RELAIS Digital I/O board with relay outputs
0014 PCI-Counter/Timer Counter Timer board
0015 PCI-DAC416 Analogue output board
0016 PCI-MFB Analogue I/O board
0017 PROTO-3 PCI Prototyping board
9100 INI-9100/9100W SCSI Host
1002 ATI Technologies Inc
3150 M24 1P [Radeon Mobility X600]
3152 M22 [Radeon Mobility X300]
3154 M24GL [Mobility FireGL V3200]
3e50 RV380 0x3e50 [Radeon X600]
3e54 RV380 0x3e54 [FireGL V3200]
3e70 RV380 [Radeon X600] (Secondary)
4136 Radeon IGP 320 M
4137 Radeon IGP330/340/350
4144 R300 AD [Radeon 9500 Pro]
4145 R300 AE [Radeon 9700 Pro]
4146 R300 AF [Radeon 9700 Pro]
4147 R300 AG [FireGL Z1/X1]
4148 R350 AH [Radeon 9800]
4149 R350 AI [Radeon 9800]

414a R350 AJ [Radeon 9800]
 414b R350 AK [FireGL X2]
 4150 RV350 AP [Radeon 9600]
 1002 0002 R9600 Pro primary (Asus OEM for HP)
 1002 0003 R9600 Pro secondary (Asus OEM for HP)
 1002 4722 All-in-Wonder 2006 AGP Edition
 1458 4024
 Giga-Byte GV-R96128D (Primary)
 148c 2064 PowerColor R96A-C3N
 148c 2066 PowerColor R96A-C3N
 174b 7c19 Sapphire Atlantis Radeon 9600 Pro
 174b 7c29 GC-R9600PRO [Sapphire] (Primary)
 17ee 2002 Radeon 9600 256Mb Primary
 18bc 0101 GC-R9600PRO (Primary)
 4151 RV350 AQ [Radeon 9600]
 1043 c004 A9600SE
 4152 RV350 AR [Radeon 9600]
 1002 0002 Radeon 9600XT
 1002 4772 All-in-Wonder 9600 XT
 1043 c002 Radeon 9600 XT TVD
 1043 c01a A9600XT/TD
 174b 7c29 Sapphire Radeon 9600XT
 1787 4002 Radeon 9600 XT
 4153 RV350 AS [Radeon 9550]
 1043 010c A9550GE/TD
 1462 932c 865PE Neo2-V (MS-6788) mainboard
 4154 RV350 AT [FireGL T2]
 4155 RV350 AU [FireGL T2]
 4156 RV350 AV [FireGL T2]
 4157 RV350 AW [FireGL T2]
 4158 68800AX [Mach32]
 4164 R300 AD [Radeon 9500 Pro] (Secondary)
 4165 R300 AE [Radeon 9700 Pro] (Secondary)
 4166 R300 AF [Radeon 9700 Pro] (Secondary)
 4168 Radeon R350 [Radeon 9800] (Secondary)
 4170 RV350 AP [Radeon 9600] (Secondary)
 1002 0003
 R9600 Pro secondary (Asus OEM for HP)
 1002 4723 All-in-Wonder 2006 AGP Edition (Secondary)
 1458 4025 Giga-Byte GV-R96128D (Secondary)
 148c 2067 PowerColor R96A-C3N (Secondary)
 174b 7c28 GC-R9600PRO [Sapphire] (Secondary)
 17ee 2003 Radeon 9600 256Mb (Secondary)
 18bc 0100 GC-R9600PRO (Secondary)
 4171 RV350 AQ [Radeon 9600] (Secondary)
 1043 c005 A9600SE (Secondary)
 4172 RV350 AR [Radeon 9600] (Secondary)
 1002 0003 Radeon 9600XT (Secondary)

1002 4773 All-in-Wonder 9600 XT (Secondary)
 1043 c003 A9600XT (Secondary)
 1043 c01b A9600XT/TD (Secondary)
 174b 7c28 Sapphire Radeon 9600XT (Secondary)
 1787 4003 Radeon 9600 XT (Secondary)
 4173 RV350 AS [Radeon 9550] (Secondary)
 1043 010d A9550GE/TD (Secondary)
 4237 Radeon 7000 IGP
 4242 R200 BB [Radeon All in Wonder 8500DV]
 1002 02aa Radeon 8500 AIW DV Edition
 4243 R200 BC [Radeon All in Wonder 8500]
 4336 Radeon Mobility U1
 1002 4336 Pavilion ze4300 ATI Radeon Mobility U1 (IGP 320 M)
 103c 0024
 Pavilion ze4400 builtin Video
 161f 2029 eMachines M5312 builtin Video
 4337 Radeon IGP 330M/340M/350M
 1014 053a ThinkPad R40e (2684-HVG) builtin VGA controller
 103c 0850 Radeon IGP 345M
 4341 IXP150 AC'97 Audio Controller
 4345 EHCI USB Controller
 4347 OHCI USB Controller #1
 4348 OHCI USB Controller #2
 4349 Dual Channel Bus Master PCI IDE Controller
 434d IXP AC'97 Modem
 4353 SMBus
 4354 215CT [Mach64 CT]
 4358 210888CX [Mach64 CX]
 4363 SMBus
 436e 436E Serial ATA Controller
 4370 IXP SB400 AC'97 Audio Controller
 1025 0079 Aspire 5024WLMMi
 1025 0091 Aspire 5032WXM
 103c 308b MX6125
 105b 0c81 Realtek ALC 653
 107b 0300 MX6421
 4371 IXP SB400 PCI-PCI Bridge
 103c 308b MX6125
 4372 IXP SB400 SMBus Controller
 1025 0080 Aspire 5024WLMMi
 103c 308b MX6125
 4373 IXP SB400 USB2 Host Controller
 1025 0080 Aspire 5024WLMMi
 103c 308b MX6125
 4374 IXP SB400 USB Host Controller
 103c 308b MX6125
 4375 IXP SB400 USB Host Controller
 1025

0080 Aspire 5024WLMMi
 103c 308b MX6125
 4376 Standard Dual Channel PCI IDE Controller
 1025 0080 Aspire 5024WLMMi
 103c 308b MX6125
 4377 IXP SB400 PCI-ISA Bridge
 1025 0080 Aspire 5024WLMi
 103c 308b MX6125
 4378 SB400 AC'97 Modem Controller
 1025 0080 Aspire 5024WLMMi
 103c 308b MX6125
 4379 4379 Serial ATA Controller
 437a 437A Serial ATA Controller
 1002 4379 4379 Serial ATA Controller
 1002 437a 437A Serial ATA Controller
 14f1 8800 Leadtek WinFast TV2000XP Expert
 437b SB450 HDA Audio
 1734 10b8 Realtek High Definition Audio
 4380 SB600 Non-Raid-5 SATA
 4381 SB600 Raid-5 SATA
 4382 SB600 AC97 Audio
 4383 SB600 Azalia
 4384 SB600 PCI to PCI Bridge
 4385 SB600 SMBus
 4386 SB600 USB Controller (EHCI)
 4387 SB600 USB (OHCI0)
 4388 SB600 USB (OHCI1)
 4389 SB600 USB (OHCI2)
 438a SB600 USB (OHCI3)
 438b SB600 USB (OHCI4)
 438c SB600 IDE
 438d SB600 PCI to LPC Bridge
 438e SB600 AC97 Modem
 4437 Radeon Mobility 7000 IGP
 4554 210888ET [Mach64
 ET]
 4654 Mach64 VT
 4742 3D Rage Pro AGP 1X/2X
 1002 0040 Rage Pro Turbo AGP 2X
 1002 0044 Rage Pro Turbo AGP 2X
 1002 0061 Rage Pro AIW AGP 2X
 1002 0062 Rage Pro AIW AGP 2X
 1002 0063 Rage Pro AIW AGP 2X
 1002 0080 Rage Pro Turbo AGP 2X
 1002 0084 Rage Pro Turbo AGP 2X
 1002 4742 Rage Pro Turbo AGP 2X
 1002 8001 Rage Pro Turbo AGP 2X
 1028 0082 Rage Pro Turbo AGP 2X

1028 4082 Optiplex GX1 Onboard Display Adapter
1028 8082 Rage Pro Turbo AGP 2X
1028 c082 Rage Pro Turbo AGP 2X
8086 4152 Xpert 98D AGP 2X
8086 464a Rage Pro Turbo AGP 2X
4744 3D Rage Pro AGP 1X
1002 4744 Rage Pro Turbo AGP
4747 3D Rage Pro
4749 3D Rage Pro
1002 0061 Rage Pro AIW
1002 0062 Rage Pro AIW
474c Rage XC
474d Rage XL AGP 2X
1002 0004 Xpert 98 RXL AGP 2X
1002 0008 Xpert 98 RXL AGP 2X
1002 0080 Rage XL AGP 2X
1002 0084 Xpert 98 AGP 2X
1002 474d Rage XL AGP
1033 806a Rage XL AGP
474e Rage XC AGP
1002 474e Rage XC AGP
474f Rage
XL
1002 0008 Rage XL
1002 474f Rage XL
4750 3D Rage Pro 215GP
1002 0040 Rage Pro Turbo
1002 0044 Rage Pro Turbo
1002 0080 Rage Pro Turbo
1002 0084 Rage Pro Turbo
1002 4750 Rage Pro Turbo
4751 3D Rage Pro 215GQ
4752 Rage XL
0e11 001e Proliant Rage XL
1002 0008 Rage XL
1002 4752 Proliant Rage XL
1002 8008 Rage XL
1028 00ce PowerEdge 1400
1028 00d1 PowerEdge 2550
1028 00d9 PowerEdge 2500
1028 0134 PowerEdge 600SC
103c 10e1 NetServer Rage XL
107b 6400 6400 Server
1734 007a Primergy RX300
8086 3411 SDS2 Mainboard
8086 3427 S875WP1-E mainboard
8086 5744 S845WD1-E mainboard
4753 Rage XC

1002 4753 Rage XC
4754 3D Rage I/II 215GT [Mach64 GT]
4755 3D Rage II+ 215GTB [Mach64 GTB]
4756 3D Rage IIC 215IIC [Mach64 GT IIC]
1002 4756 Rage IIC
4757 3D Rage IIC AGP
1002 4757 Rage IIC AGP
1028 0089 Rage 3D IIC
1028 008e PowerEdge 1300 onboard video
1028 4082 Rage 3D IIC
1028 8082 Rage 3D IIC
1028 c082 Rage
3D IIC
4758 210888GX [Mach64 GX]
4759 3D Rage IIC
475a 3D Rage IIC AGP
1002 0084 Rage 3D Pro AGP 2x XPERT 98
1002 0087 Rage 3D IIC
1002 475a Rage IIC AGP
4964 Radeon RV250 Id [Radeon 9000]
4965 Radeon RV250 Ie [Radeon 9000]
4966 Radeon RV250 If [Radeon 9000]
10f1 0002 RV250 If [Tachyon G9000 PRO]
148c 2039 RV250 If [Radeon 9000 Pro "Evil Commando"]
1509 9a00 RV250 If [Radeon 9000 "AT009"]
1681 0040 RV250 If [3D prophet 9000]
174b 7176 RV250 If [Sapphire Radeon 9000 Pro]
174b 7192 RV250 If [Radeon 9000 "Atlantis"]
17af 2005 RV250 If [Excalibur Radeon 9000 Pro]
17af 2006 RV250 If [Excalibur Radeon 9000]
4967 Radeon RV250 Ig [Radeon 9000]
496e Radeon RV250 [Radeon 9000] (Secondary)
4a48 R420 JH [Radeon X800]
4a49 R420 JI [Radeon X800PRO]
4a4a R420 JJ [Radeon X800SE]
4a4b R420 JK [Radeon X800]
4a4c R420 JL [Radeon X800]
4a4d R420 JM [FireGL X3]
4a4e M18 JN [Radeon Mobility 9800]
4a50 R420 JP [Radeon X800XT]
4a54 R420 [Radeon
X800 VE]
4a69 R420 [Radeon X800 PRO/GTO] (Secondary)
4a6a R420 [Radeon X800] (Secondary)
4a6b R420 [Radeon X800] (Secondary)
4a70 R420 [X800XT-PE] (Secondary)
4a74 R420 [Radeon X800 VE] (Secondary)
4b49 R480 [Radeon X850XT]

4b4b R480 [Radeon X850Pro]
 4b4c R481 [Radeon X850XT-PE]
 4b69 R480 [Radeon X850XT] (Secondary)
 4b6b R480 [Radeon X850Pro] (Secondary)
 4b6c R481 [Radeon X850XT-PE] (Secondary)
 4c42 3D Rage LT Pro AGP-133
 0e11 b0e7 Rage LT Pro (Compaq Presario 5240)
 0e11 b0e8 Rage 3D LT Pro
 0e11 b10e 3D Rage LT Pro (Compaq Armada 1750)
 1002 0040 Rage LT Pro AGP 2X
 1002 0044 Rage LT Pro AGP 2X
 1002 4c42 Rage LT Pro AGP 2X
 1002 8001 Rage LT Pro AGP 2X
 1028 0085 Rage 3D LT Pro
 4c44 3D Rage LT Pro AGP-66
 4c45 Rage Mobility M3 AGP
 4c46 Rage Mobility M3 AGP 2x
 1028 00b1 Latitude C600
 4c47 3D Rage LT-G 215LG
 4c49 3D Rage LT Pro
 1002 0004 Rage LT Pro
 1002 0040 Rage LT Pro
 1002 0044 Rage LT Pro
 1002 4c49 Rage LT Pro
 4c4d
 Rage Mobility P/M AGP 2x
 0e11 b111 Armada M700
 0e11 b160 Armada E500
 1002 0084 Xpert 98 AGP 2X (Mobility)
 1014 0154 ThinkPad A20m/A21m
 1028 00aa Latitude CPt
 1028 00bb Latitude CPx
 10e1 10cf Fujitsu Siemens LifeBook C Series
 1179 ff00 Satellite 1715XCDS laptop
 13bd 1019 PC-AR10
 4c4e Rage Mobility L AGP 2x
 4c50 3D Rage LT Pro
 1002 4c50 Rage LT Pro
 4c51 3D Rage LT Pro
 4c52 Rage Mobility P/M
 1033 8112 Versa Note VXi
 4c53 Rage Mobility L
 4c54 264LT [Mach64 LT]
 4c57 Radeon Mobility M7 LW [Radeon Mobility 7500]
 1014 0517 ThinkPad T30
 1028 00e6 Radeon Mobility M7 LW (Dell Inspiron 8100)
 1028 012a Latitude C640
 1043 1622 Mobility Radeon M7 (L3C/S)

144d c006 Radeon Mobility M7 LW in vpr Matrix 170B4
 4c58 Radeon RV200 LX [Mobility FireGL 7800 M7]
 4c59 Radeon Mobility M6 LY
 0e11 b111 Evo N600c
 1014 0235 ThinkPad A30/A30p (2652/2653)
 1014 0239 ThinkPad X22/X23/X24
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 104d
 8140 PCG-Z1SP laptop
 1509 1930 Medion MD9703
 4c5a Radeon Mobility M6 LZ
 4c64 Radeon R250 Ld [Radeon Mobility 9000 M9]
 4c65 Radeon R250 Le [Radeon Mobility 9000 M9]
 4c66 Radeon R250 [Mobility FireGL 9000]
 1014 054d Thinkpad T41
 4c67 Radeon R250 Lg [Radeon Mobility 9000 M9]
 # Secondary chip to the Lf
 4c6e Radeon R250 Ln [Radeon Mobility 9000 M9] (Secondary)
 4d46 Rage Mobility M4 AGP
 4d4c Rage Mobility M4 AGP
 4e44 Radeon R300 ND [Radeon 9700 Pro]
 1002 515e Radeon ES1000
 1002 5965 Radeon ES1000
 4e45 Radeon R300 NE [Radeon 9500 Pro]
 1002 0002 Radeon R300 NE [Radeon 9500 Pro]
 1681 0002 Hercules 3D Prophet 9500 PRO [Radeon 9500 Pro]
 4e46 RV350 NF [Radeon 9600]
 4e47 Radeon R300 NG [FireGL X1]
 4e48 Radeon R350 [Radeon 9800 Pro]
 4e49 Radeon R350 [Radeon 9800]
 4e4a RV350 NJ [Radeon 9800 XT]
 4e4b R350 NK [FireGL X2]
 4e50 RV350 [Mobility Radeon 9600 M10]
 1025 005a TravelMate 290
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop
 144d
 c00c P35 notebook
 1462 0311 MSI M510A
 1734 1055 Amilo M1420W
 4e51 M10 NQ [Radeon Mobility 9600]
 4e52 RV350 [Mobility Radeon 9600 M10]
 144d c00c P35 notebook
 4e53 M10 NS [Radeon Mobility 9600]
 4e54 M10 NT [FireGL Mobility T2]
 4e56 M11 NV [FireGL Mobility T2e]
 4e64 Radeon R300 [Radeon 9700 Pro] (Secondary)
 4e65 Radeon R300 [Radeon 9500 Pro] (Secondary)

1002 0003 Radeon R300 NE [Radeon 9500 Pro]
 1681 0003 Hercules 3D Prophet 9500 PRO [Radeon 9500 Pro] (Secondary)
 4e66 RV350 NF [Radeon 9600] (Secondary)
 4e67 Radeon R300 [FireGL X1] (Secondary)
 4e68 Radeon R350 [Radeon 9800 Pro] (Secondary)
 4e69 Radeon R350 [Radeon 9800] (Secondary)
 4e6a RV350 NJ [Radeon 9800 XT] (Secondary)
 1002 4e71 M10 NQ [Radeon Mobility 9600]
 4e71 M10 NQ [Radeon Mobility 9600] (Secondary)
 4f72 RV250 [Radeon 9000 Series]
 4f73 Radeon RV250 [Radeon 9000 Series] (Secondary)
 5041 Rage 128 PA/PRO
 5042 Rage 128 PB/PRO AGP 2x
 5043 Rage 128 PC/PRO AGP 4x
 5044
 Rage 128 PD/PRO TMDS
 1002 0028 Rage 128 AIW
 1002 0029 Rage 128 AIW
 5045 Rage 128 PE/PRO AGP 2x TMDS
 5046 Rage 128 PF/PRO AGP 4x TMDS
 1002 0004 Rage Fury Pro
 1002 0008 Rage Fury Pro/Xpert 2000 Pro
 1002 0014 Rage Fury Pro
 1002 0018 Rage Fury Pro/Xpert 2000 Pro
 1002 0028 Rage 128 Pro AIW AGP
 1002 002a Rage 128 Pro AIW AGP
 1002 0048 Rage Fury Pro
 1002 2000 Rage Fury MAXX AGP 4x (TMDS) (VGA device)
 1002 2001 Rage Fury MAXX AGP 4x (TMDS) (Extra device?!)
 5047 Rage 128 PG/PRO
 5048 Rage 128 PH/PRO AGP 2x
 5049 Rage 128 PI/PRO AGP 4x
 504a Rage 128 PJ/PRO TMDS
 504b Rage 128 PK/PRO AGP 2x TMDS
 504c Rage 128 PL/PRO AGP 4x TMDS
 504d Rage 128 PM/PRO
 504e Rage 128 PN/PRO AGP 2x
 504f Rage 128 PO/PRO AGP 4x
 5050 Rage 128 PP/PRO TMDS [Xpert 128]
 1002 0008 Xpert 128
 5051 Rage 128 PQ/PRO AGP 2x TMDS
 5052 Rage 128 PR/PRO AGP 4x TMDS
 5053 Rage 128 PS/PRO
 5054 Rage 128 PT/PRO AGP 2x
 5055 Rage 128 PU/PRO AGP 4x
 5056 Rage 128 PV/PRO TMDS
 5057

Rage 128 PW/PRO AGP 2x TMDS
 5058 Rage 128 PX/PRO AGP 4x TMDS
 5144 Radeon R100 QD [Radeon 7200]
 1002 0008 Radeon 7000/Radeon VE
 1002 0009 Radeon 7000/Radeon
 1002 000a Radeon 7000/Radeon
 1002 001a Radeon 7000/Radeon
 1002 0029 Radeon AIW
 1002 0038 Radeon 7000/Radeon
 1002 0039 Radeon 7000/Radeon
 1002 008a Radeon 7000/Radeon
 1002 00ba Radeon 7000/Radeon
 1002 0139 Radeon 7000/Radeon
 1002 028a Radeon 7000/Radeon
 1002 02aa Radeon AIW
 1002 053a Radeon 7000/Radeon
 5145 Radeon R100 QE
 5146 Radeon R100 QF
 5147 Radeon R100 QG
 5148 Radeon R200 QH [Radeon 8500]
 1002 010a FireGL 8800 64Mb
 1002 0152 FireGL 8800 128Mb
 1002 0162 FireGL 8700 32Mb
 1002 0172 FireGL 8700 64Mb
 5149 Radeon R200 QI
 514a Radeon R200 QJ
 514b Radeon R200 QK
 514c Radeon R200 QL [Radeon 8500 LE]
 1002 003a Radeon R200 QL [Radeon 8500 LE]
 1002 013a Radeon 8500
 148c 2026 R200 QL [Radeon 8500 Evil Master II Multi Display Edition]
 1681 0010 Radeon 8500
 [3D Prophet 8500 128Mb]
 174b 7149 Radeon R200 QL [Sapphire Radeon 8500 LE]
 514d Radeon R200 QM [Radeon 9100]
 514e Radeon R200 QN [Radeon 8500LE]
 514f Radeon R200 QO [Radeon 8500LE]
 5154 R200 QT [Radeon 8500]
 5155 R200 QU [Radeon 9100]
 5157 Radeon RV200 QW [Radeon 7500]
 1002 013a Radeon 7500
 1002 103a Dell Optiplex GX260
 1458 4000 RV200 QW [RADEON 7500 PRO MAYA AR]
 148c 2024 RV200 QW [Radeon 7500LE Dual Display]
 148c 2025 RV200 QW [Radeon 7500 Evil Master Multi Display Edition]
 148c 2036 RV200 QW [Radeon 7500 PCI Dual Display]
 174b 7146 RV200 QW [Radeon 7500 LE]
 174b 7147 RV200 QW [Sapphire Radeon 7500LE]

174b 7161 Radeon RV200 QW [Radeon 7500 LE]
 17af 0202 RV200 QW [Excalibur Radeon 7500LE]
 5158 Radeon RV200 QX [Radeon 7500]
 5159 Radeon RV100 QY [Radeon 7000/VE]
 1002 000a Radeon 7000/Radeon VE
 1002 000b Radeon 7000
 1002 0038 Radeon 7000/Radeon VE
 1002 003a Radeon 7000/Radeon VE
 1002 00ba Radeon 7000/Radeon VE
 1002 013a
 Radeon 7000/Radeon VE
 1002 0908 XVR-100 (supplied by Sun)
 # The IBM card doubles as an ATI PCI video adapter
 1014 029a Remote Supervisor Adapter II (RSA2)
 1014 02c8 eServer xSeries server mainboard
 1028 019a PowerEdge SC1425
 103c 1292 Radeon 7000
 1458 4002 RV100 QY [RADEON 7000 PRO MAYA AV Series]
 148c 2003 RV100 QY [Radeon 7000 Multi-Display Edition]
 148c 2023 RV100 QY [Radeon 7000 Evil Master Multi-Display]
 174b 7112 RV100 QY [Sapphire Radeon VE 7000]
 174b 7c28 Sapphire Radeon VE 7000 DDR
 1787 0202 RV100 QY [Excalibur Radeon 7000]
 17ee 1001 Radeon 7000 64MB DDR + DVI
 515a Radeon RV100 QZ [Radeon 7000/VE]
 515e ES1000
 515f ES1000
 5168 Radeon R200 Qh
 5169 Radeon R200 Qi
 516a Radeon R200 Qj
 516b Radeon R200 Qk
 # This one is not in ATI documentation, but is in XFree86 source code
 516c Radeon R200 Ql
 5245 Rage 128 RE/SG
 1002 0008 Xpert 128
 1002 0028 Rage 128 AIW
 1002 0029 Rage 128 AIW
 1002 0068 Rage 128 AIW
 5246 Rage 128
 RF/SG AGP
 1002 0004 Magnum/Xpert 128/Xpert 99
 1002 0008 Magnum/Xpert128/X99/Xpert2000
 1002 0028 Rage 128 AIW AGP
 1002 0044 Rage Fury/Xpert 128/Xpert 2000
 1002 0068 Rage 128 AIW AGP
 1002 0448 Rage Fury
 5247 Rage 128 RG
 524b Rage 128 RK/VR

524c Rage 128 RL/VR AGP
 1002 0008 Xpert 99/Xpert 2000
 1002 0088 Xpert 99
 5345 Rage 128 SE/4x
 5346 Rage 128 SF/4x AGP 2x
 1002 0048 RAGE 128 16MB VGA TVOUT AMC PAL
 5347 Rage 128 SG/4x AGP 4x
 5348 Rage 128 SH
 534b Rage 128 SK/4x
 534c Rage 128 SL/4x AGP 2x
 534d Rage 128 SM/4x AGP 4x
 1002 0008 Xpert 99/Xpert 2000
 1002 0018 Xpert 2000
 534e Rage 128 4x
 5354 Mach 64 VT
 1002 5654 Mach 64 reference
 5446 Rage 128 Pro Ultra TF
 1002 0004 Rage Fury Pro
 1002 0008 Rage Fury Pro/Xpert 2000 Pro
 1002 0018 Rage Fury Pro/Xpert 2000 Pro
 1002 0028 Rage 128 AIW Pro AGP
 1002 0029 Rage 128 AIW
 1002 002a Rage 128 AIW Pro AGP
 1002 002b Rage 128 AIW
 1002 0048 Xpert 2000 Pro
 544c Rage 128 Pro Ultra
 TL
 5452 Rage 128 Pro Ultra TR
 1002 001c Rage 128 Pro 4XL
 103c 1279 Rage 128 Pro 4XL
 5453 Rage 128 Pro Ultra TS
 5454 Rage 128 Pro Ultra TT
 5455 Rage 128 Pro Ultra TU
 5460 M22 [Mobility Radeon X300]
 1775 1100 CR11/VR11 Single Board Computer
 5462 M24 [Radeon Mobility X600]
 5464 M22 [FireGL GL]
 5548 R423 UH [Radeon X800 (PCIE)]
 5549 R423 UI [Radeon X800PRO (PCIE)]
 554a R423 UJ [Radeon X800LE (PCIE)]
 554b R423 UK [Radeon X800SE (PCIE)]
 554d R430 [Radeon X800 XL] (PCIE)
 554f R430 [Radeon X800 (PCIE)]
 5550 R423 [FireGL V7100]
 5551 R423 [FireGL V5100 (PCIE)]
 5552 R423 UR [FireGL V5100 (PCIE)]
 5554 R423 UT [FireGL V7100 (PCIE)]
 5569 R423 UI [Radeon X800PRO (PCIE)] (Secondary)

556b Radeon R423 UK (PCIE) [X800 SE] (Secondary)
 556d R430 [Radeon X800 XL] (PCIE) (Secondary)
 556f R430 [Radeon X800] (PCIE) (Secondary)
 5571 R423GL-SE [FireGL V5100 (PCIE)] (Secondary)
 564a M26 [Mobility FireGL V5000]
 564b M26 [Mobility FireGL V5000]
 564f M26
 [Radeon Mobility X700 XL (PCIE)]
 5652 M26 [Radeon Mobility X700]
 5653 Radeon Mobility X700 (PCIE)
 1025 0080 Aspire 5024WLMi
 5654 264VT [Mach64 VT]
 1002 5654 Mach64VT Reference
 5655 264VT3 [Mach64 VT3]
 5656 264VT4 [Mach64 VT4]
 5830 RS300 Host Bridge
 5831 RS300 Host Bridge
 5832 RS300 Host Bridge
 5833 Radeon 9100 IGP Host Bridge
 5834 Radeon 9100 IGP
 5835 RS300M AGP [Radeon Mobility 9100IGP]
 5838 Radeon 9100 IGP AGP Bridge
 5940 RV280 [Radeon 9200 PRO] (Secondary)
 17af 2021 Excalibur Radeon 9250 (Secondary)
 5941 RV280 [Radeon 9200] (Secondary)
 1458 4019 Gigabyte Radeon 9200
 174b 7c12 Sapphire Radeon 9200
 17af 200d Excalibur Radeon 9200
 18bc 0050 GeXcube GC-R9200-C3 (Secondary)
 5944 RV280 [Radeon 9200 SE (PCI)]
 5950 RS480 Host Bridge
 1025 0080 Aspire 5024WLMMi
 103c 308b MX6125
 5951 Radeon Xpress 200 (RS480/RS482/RX480/RX482) Chipset - Host bridge
 5952 RD580 [CrossFire Xpress 3200] Chipset Host Bridge
 5954 RS480 [Radeon Xpress
 200G Series]
 1002 5954 RV370 [Radeon Xpress 200G Series]
 5955 Radeon XPRESS 200M 5955 (PCIE)
 1002 5955 RS480 0x5955 [Radeon XPRESS 200M 5955 (PCIE)]
 103c 308b MX6125
 5960 RV280 [Radeon 9200 PRO]
 17af 2020 Excalibur Radeon 9250
 5961 RV280 [Radeon 9200]
 1002 2f72 All-in-Wonder 9200 Series
 1019 4c30 Radeon 9200 VIVO
 12ab 5961 YUAN SMARTVGA Radeon 9200
 1458 4018 Gigabyte Radeon 9200

174b 7c13 Sapphire Radeon 9200
 17af 200c Excalibur Radeon 9200
 18bc 0050 Radeon 9200 Game Buster
 18bc 0051 GeXcube GC-R9200-C3
 18bc 0053 Radeon 9200 Game Buster VIVO
 5962 RV280 [Radeon 9200]
 5964 RV280 [Radeon 9200 SE]
 1002 5964 Radeon 9200 SE, 64-bit 128MB DDR, 200/166MHz
 1043 c006 ASUS Radeon 9200 SE / TD / 128M
 1458 4018 Radeon 9200 SE
 1458 4032 Radeon 9200 SE 128MB
 147b 6191 R9200SE-DT
 148c 2073 CN-AG92E
 174b 7c13 Sapphire Radeon 9200 SE
 1787 5964 Excalibur 9200SE VIVO 128M
 17af 2012 Radeon 9200 SE Excalibur
 18bc 0170 Sapphire Radeon
 9200 SE 128MB Game Buster
 18bc 0173 GC-R9200L(SE)-C3H [Radeon 9200 Game Buster]
 5969 ES1000
 5974 RS482 [Radeon Xpress 200]
 5975 RS485 [Radeon Xpress 1100 IGP]
 5a33 Radeon Xpress 200 Host Bridge
 5a34 RS480 PCI-X Root Port
 # Comes in pair with 5a3f
 5a36 RS480 PCI Bridge
 5a37 RS480 PCI Bridge
 5a38 RS480 PCI Bridge
 # Comes in pair with 5a38
 5a39 RS480 PCI Bridge
 5a3f RS480 PCI Bridge
 5a41 RS400 [Radeon Xpress 200]
 5a42 RS400 [Radeon Xpress 200M]
 5a61 RC410 [Radeon Xpress 200]
 5a62 RC410 [Radeon Xpress 200M]
 5b60 RV370 5B60 [Radeon X300 (PCIE)]
 1043 002a Extreme AX300SE-X
 1043 032e Extreme AX300/TD
 1462 0400 RX300SE-TD128E (MS-8940 REV:200)
 1462 0402 RX300SE-TD128E (MS-8940)
 196d 1086 X300SE HM
 5b62 RV380 [Radeon X600 (PCIE)]
 5b63 RV370 [Sapphire X550 Silent]
 5b64 RV370 5B64 [FireGL V3100 (PCIE)]
 5b65 RV370 5B65 [FireGL D1100 (PCIE)]
 5b70 RV370 [Radeon X300SE]
 1462 0403 RX300SE-TD128E (MS-8940) (secondary display)
 196d 1087

X300SE HM
 5b72 RV380 [Radeon X600]
 5b73 RV370 secondary [Sapphire X550 Silent]
 5b74 RV370 5B64 [FireGL V3100 (PCIE)] (Secondary)
 5c61 M9+ 5C61 [Radeon Mobility 9200 (AGP)]
 5c63 M9+ 5C63 [Radeon Mobility 9200 (AGP)]
 1002 5c63 Apple iBook G4 2004
 144d c00c P30 notebook
 5d44 RV280 [Radeon 9200 SE] (Secondary)
 1458 4019 Radeon 9200 SE (Secondary)
 1458 4032 Radeon 9200 SE 128MB
 147b 6190 R9200SE-DT (Secondary)
 174b 7c12 Sapphire Radeon 9200 SE (Secondary)
 1787 5965 Excalibur 9200SE VIVO 128M (Secondary)
 17af 2013 Radeon 9200 SE Excalibur (Secondary)
 18bc 0171 Radeon 9200 SE 128MB Game Buster (Secondary)
 18bc 0172 GC-R9200L(SE)-C3H [Radeon 9200 Game Buster]
 5d48 M28 [Radeon Mobility X800XT]
 5d49 M28 [Mobility FireGL V5100]
 5d4a Mobility Radeon X800
 5d4d R480 [Radeon X850XT Platinum (PCIE)]
 5d4f R480 [Radeon X800 GTO (PCIE)]
 5d52 R480 [Radeon X850XT (PCIE)] (Primary)
 1002 0b12 PowerColor X850XT PCIE (Primary)
 1002 0b13 PowerColor
 X850XT PCIE (Secondary)
 5d57 R423 5F57 [Radeon X800XT (PCIE)]
 5d6d R480 [Radeon X850XT Platinum (PCIE)] (Secondary)
 5d6f R480 [Radeon X800 GTO (PCIE)] (Secondary)
 5d72 R480 [Radeon X850XT (PCIE)] (Secondary)
 5d77 R423 5F57 [Radeon X800XT (PCIE)] (Secondary)
 5e48 RV410 [FireGL V5000]
 5e49 RV410 [FireGL V3300]
 5e4a RV410 [Radeon X700XT]
 5e4b RV410 [Radeon X700 Pro (PCIE)]
 5e4c RV410 [Radeon X700SE]
 5e4d RV410 [Radeon X700 (PCIE)]
 148c 2116 PowerColor Bravo X700
 5e4f RV410 [Radeon X700]
 5e6b RV410 [Radeon X700 Pro (PCIE)] (Secondary)
 5e6d RV410 [Radeon X700 (PCIE)] (Secondary)
 148c 2117 PowerColor Bravo X700
 5f57 R423 [Radeon X800XT (PCIE)]
 700f PCI Bridge [IGP 320M]
 7010 PCI Bridge [IGP 340M]
 7100 R520 [Radeon X1800]
 7102 M58 [Radeon Mobility X1800]
 7103 M58 [Mobility FireGL V7200]

7104 R520GL [FireGL V7200] (Primary)
 7105 R520 [FireGL]
 7106 M58 [Mobility FireGL V7100]
 7108 M58 [Radeon Mobility X1800]
 7109 R520 [Radeon X1800]
 1002
 0322 All-in-Wonder X1800XL
 1002 0d02 Radeon X1800 CrossFire Edition
 710a R520 [Radeon X1800]
 710b R520 [Radeon X1800]
 710c R520 [Radeon X1800]
 7120 R520 [Radeon X1800] (Secondary)
 7124 R520GL [FireGL V7200] (Secondary)
 7129 R520 [Radeon X1800] (Secondary)
 1002 0323 All-in-Wonder X1800XL (Secondary)
 1002 0d03 Radeon X1800 CrossFire Edition (Secondary)
 7140 RV515 [Radeon X1600]
 7142 RV515 PRO [Radeon X1300/X1550 Series]
 1002 0322 All-in-Wonder 2006 PCI-E Edition
 7143 RV505 [Radeon X1550 Series]
 7145 Radeon Mobility X1400
 7146 RV515 [Radeon X1300]
 1002 0322 All-in-Wonder 2006 PCI-E Edition
 7147 RV505 [Radeon X1550 64-bit]
 7149 M52 [Mobility Radeon X1300]
 714a M52 [Mobility Radeon X1300]
 714b M52 [Mobility Radeon X1300]
 714c M52 [Mobility Radeon X1300]
 714d RV515 [Radeon X1300]
 714e RV515LE [Radeon X1300]
 7152 RV515GL [FireGL V3300] (Primary)
 7153 RV515GL [FireGL V3350]
 715e RV515 [Radeon X1300]
 715f RV505 CE [Radeon X1550 64-bit]
 7162
 RV515 PRO [Radeon X1300/X1550 Series] (Secondary)
 1002 0323 All-in-Wonder 2006 PCI-E Edition (Secondary)
 7166 RV515 [Radeon X1300] (Secondary)
 1002 0323 All-in-Wonder 2006 PCI-E Edition (Secondary)
 716e RV515LE [Radeon X1300] Secondary
 7172 RV515GL [FireGL V3300] (Secondary)
 7173 RV515GL [FireGL V3350] (Secondary)
 7180 RV516 [Radeon X1300/X1550 Series]
 7181 RV516 XT Radeon X1600 Series (Primary)
 7183 RV516 [Radeon X1300/X1550 Series]
 7187 RV516 [Radeon X1300/X1550 Series]
 7188 M64-S [Mobility Radeon X2300]
 718a Mobility Radeon X2300

718c M62CSP64 [Mobility Radeon X1350]
 718d M64CSP128 [Mobility Radeon X1450]
 7193 RV516 [Radeon X1550 Series]
 719b FireMV 2250
 719f RV516LE [Radeon X1550 64-bit]
 71a0 RV516 [Radeon X1300/X1550 Series] (Secondary)
 71a1 RV516 XT Radeon X1600 Series (Secondary)
 71a3 RV516 [Radeon X1300 Pro] (Secondary)
 71a7 RV516 [Radeon X1300/X1550 Series] (Secondary)
 71bb FireMV 2250 (Secondary)
 71c0 RV530 [Radeon X1600]
 71c2
 RV530 [Radeon X1600]
 71c4 M56GL [Mobility FireGL V5200]
 17aa 2007 ThinkPad T60p
 71c5 M56P [Radeon Mobility X1600]
 71c6 RV530LE [Radeon X1600/X1650 PRO]
 71c7 RV535 [Radeon X1650 Series]
 71ce RV530LE [Radeon X1600]
 71d4 M56GL [Mobility FireGL V5250]
 71d5 M66-P [Mobility Radeon X1700]
 71d6 M66-XT [Mobility Radeon X1700]
 71de RV530LE [Radeon X1600]
 71e0 RV530 [Radeon X1600] (Secondary)
 71e2 RV530 [Radeon X1600] (Secondary)
 71e6 RV530LE [Radeon X1650 PRO] (Secondary)
 71e7 RV535 [Radeon X1650 Series]
 7210 M71 [Mobility Radeon X2100]
 7211 M71 [Mobility Radeon X2100] (Secondary)
 7240 R580 [Radeon X1900]
 7241 R580 [Radeon X1900]
 7242 R580 [Radeon X1900]
 7243 R580 [Radeon X1900]
 7244 R580 [Radeon X1900]
 7245 R580 [Radeon X1900]
 7246 R580 [Radeon X1900]
 7247 R580 [Radeon X1900]
 7248 R580 [Radeon X1900]
 7249 R580 [Radeon X1900 XT] (Primary)
 724a R580 [Radeon X1900]
 724b R580 [Radeon X1900]
 1002 0b12 Radeon X1900 (Primary)
 1002
 0b13 Radeon X1900 (Secondary)
 724c R580 [Radeon X1900]
 724d R580 [Radeon X1900]
 724e R580 [AMD Stream Processor]
 7269 R580 [Radeon X1900 XT] (Secondary)

726b R580 [Radeon X1900]
 726e R580 [AMD Stream Processor] (Secondary)
 7280 Radeon X1950 Pro (Primary) (PCIE)
 7288 Radeon X1950 GT
 7291 Radeon X1650 XT (Primary) (PCIE)
 7293 Radeon X1650 Series
 72a0 Radeon X1950 Pro (Secondary) (PCIE)
 72a8 Radeon X1950 GT (Secondary)
 72b1 Radeon X1650 XT (Secondary) (PCIE)
 72b3 Radeon X1650 Series (Secondary)
 7833 Radeon 9100 IGP Host Bridge
 7834 Radeon 9100 PRO IGP
 7835 Radeon Mobility 9200 IGP
 7838 Radeon 9100 IGP PCI/AGP Bridge
 7919 Radeon X1200 Series Audio Controller
 791e Radeon X1200 Series
 791f Radeon X1200 Series
 793f Radeon X1200 Series (Secondary)
 7c37 RV350 AQ [Radeon 9600 SE]
 cab0 AGP Bridge [IGP 320M]
 cab2 RS200/RS200M AGP Bridge [IGP 340M]
 cab3 R200 AGP Bridge [Mobility Radeon 7000 IGP]
 cbb2 RS200/RS200M AGP Bridge [IGP 340M]
 1003 ULSI
 Systems
 0201 US201
 1004 VLSI Technology Inc
 0005 82C592-FC1
 0006 82C593-FC1
 0007 82C594-AFC2
 0008 82C596/7 [Wildcat]
 0009 82C597-AFC2
 000c 82C541 [Lynx]
 000d 82C543 [Lynx]
 0101 82C532
 0102 82C534 [Eagle]
 0103 82C538
 0104 82C535
 0105 82C147
 0200 82C975
 0280 82C925
 0304 QSound ThunderBird PCI Audio
 1004 0304 QSound ThunderBird PCI Audio
 122d 1206 DSP368 Audio
 1483 5020 XWave Thunder 3D Audio
 0305 QSound ThunderBird PCI Audio Gameport
 1004 0305 QSound ThunderBird PCI Audio Gameport
 122d 1207 DSP368 Audio Gameport

1483 5021 XWave Thunder 3D Audio Gameport
 0306 QSound ThunderBird PCI Audio Support Registers
 1004 0306 QSound ThunderBird PCI Audio Support Registers
 122d 1208 DSP368 Audio Support Registers
 1483 5022 XWave Thunder 3D Audio Support Registers
 0307 Thunderbird
 0308 Thunderbird
 0702 VAS96011 [Golden Gate II]
 0703 Tollgate
 1005 Avance Logic Inc. [ALI]
 2064 ALG2032/2064
 2128 ALG2364A
 2301 ALG2301
 2302
 ALG2302
 2364 ALG2364
 2464 ALG2364A
 2501 ALG2564A/25128A
 1006 Reply Group
 1007 NetFrame Systems Inc
 1008 Epson
 100a Phoenix Technologies
 100b National Semiconductor Corporation
 0001 DP83810
 0002 87415/87560 IDE
 000e 87560 Legacy I/O
 000f FireWire Controller
 0011 NS87560 National PCI System I/O
 0012 USB Controller
 0020 DP83815 (MacPhyter) Ethernet Controller
 103c 0024 Pavilion ze4400 builtin Network
 12d9 000c Aculab E1/T1 PMXc cPCI carrier card
 1385 f311 FA311 / FA312 (FA311 with WoL HW)
 0021 PC87200 PCI to ISA Bridge
 0022 DP83820 10/100/1000 Ethernet Controller
 0028 Geode GX2 Host Bridge
 002a CS5535 South Bridge
 002b CS5535 ISA bridge
 002d CS5535 IDE
 002e CS5535 Audio
 002f CS5535 USB
 0030 Geode GX2 Graphics Processor
 0035 DP83065 [Saturn] 10/100/1000 Ethernet Controller
 0500 SCx200 Bridge
 0501 SCx200 SMI
 0502 SCx200, SC1100 IDE controller
 100b 0502 IDE Controller
 0503 SCx200, SC1100 Audio Controller

100b 0503 XpressAudio
 controller
 0504 SCx200 Video
 0505 SCx200 XBus
 0510 SC1100 Bridge
 100b 0500 GPIO and LPC support bridge
 0511 SC1100 SMI & ACPI
 100b 0501 SC1100 SMI & ACPI bridge
 0515 SC1100 XBus
 100b 0505 SC1100 PCI to XBus bridge
 d001 87410 IDE
 100c Tseng Labs Inc
 3202 ET4000/W32p rev A
 3205 ET4000/W32p rev B
 3206 ET4000/W32p rev C
 3207 ET4000/W32p rev D
 3208 ET6000
 4702 ET6300
 100d AST Research Inc
 100e Weitek
 9000 P9000 Viper
 9001 P9000 Viper
 9002 P9000 Viper
 9100 P9100 Viper Pro/SE
 1010 Video Logic, Ltd.
 1011 Digital Equipment Corporation
 0001 DECchip 21050
 0002 DECchip 21040 [Tulip]
 0004 DECchip 21030 [TGA]
 0007 NVRAM [Zephyr NVRAM]
 0008 KZPSA [KZPSA]
 0009 DECchip 21140 [FasterNet]
 1025 0310 21140 Fast Ethernet
 10b8 2001 SMC9332BDT EtherPower 10/100
 10b8 2002 SMC9332BVT EtherPower T4 10/100
 10b8 2003 SMC9334BDT EtherPower 10/100 (1-port)
 1109 2400 ANA-6944A/TX Fast Ethernet
 1112 2300 RNS2300 Fast Ethernet
 1112 2320 RNS2320
 Fast Ethernet
 1112 2340 RNS2340 Fast Ethernet
 1113 1207 EN-1207-TX Fast Ethernet
 1186 1100 DFE-500TX Fast Ethernet
 1186 1112 DFE-570TX Fast Ethernet
 1186 1140 DFE-660 Cardbus Ethernet 10/100
 1186 1142 DFE-660 Cardbus Ethernet 10/100
 11f6 0503 Freedomline Fast Ethernet
 1282 9100 AEF-380TXD Fast Ethernet

1385 1100 FA310TX Fast Ethernet
 2646 0001 KNE100TX Fast Ethernet
 000a 21230 Video Codec
 000d PBXGB [TGA2]
 000f PCI-to-PDQ Interface Chip [PFI]
 1011 def1 FDDI controller (DEFPA)
 103c def1 FDDI controller (3X-DEFPA)
 0014 DECchip 21041 [Tulip Pass 3]
 1186 0100 DE-530+
 0016 DGLPB [OPPO]
 0017 PV-PCI Graphics Controller (ZLXp-L)
 0019 DECchip 21142/43
 1011 500a DE500A Fast Ethernet
 1011 500b DE500B Fast Ethernet
 1014 0001 10/100 EtherJet Cardbus
 1025 0315 ALN315 Fast Ethernet
 1033 800c PC-9821-CS01 100BASE-TX Interface Card
 1033 800d PC-9821NR-B06 100BASE-TX Interface Card
 103c 125a 10/100Base-TX (PCI) [A5506B]
 108d
 0016 Rapidfire 2327 10/100 Ethernet
 108d 0017 GoCard 2250 Ethernet 10/100 Cardbus
 10b8 2005 SMC8032DT Extreme Ethernet 10/100
 10b8 8034 SMC8034 Extreme Ethernet 10/100
 10ef 8169 Cardbus Fast Ethernet
 1109 2a00 ANA-6911A/TX Fast Ethernet
 1109 2b00 ANA-6911A/TXC Fast Ethernet
 1109 3000 ANA-6922/TX Fast Ethernet
 1113 1207 Cheetah Fast Ethernet
 1113 2220 Cardbus Fast Ethernet
 115d 0002 Cardbus Ethernet 10/100
 1179 0203 Fast Ethernet
 1179 0204 Cardbus Fast Ethernet
 1186 1100 DFE-500TX Fast Ethernet
 1186 1101 DFE-500TX Fast Ethernet
 1186 1102 DFE-500TX Fast Ethernet
 1186 1112 DFE-570TX Quad Fast Ethernet
 1259 2800 AT-2800Tx Fast Ethernet
 1266 0004 Eagle Fast EtherMAX
 12af 0019 NetFlyer Cardbus Fast Ethernet
 1374 0001 Cardbus Ethernet Card 10/100
 1374 0002 Cardbus Ethernet Card 10/100
 1374 0007 Cardbus Ethernet Card 10/100
 1374 0008 Cardbus Ethernet Card 10/100
 1385 2100 FA510
 1395 0001 10/100 Ethernet CardBus PC
 Card
 13d1 ab01 EtherFast 10/100 Cardbus (PCMPC200)

1498 000a TPMC880-10 10/100Base-T and 10Base2 PMC Ethernet Adapter
 1498 000b TPMC880-11 Single 10/100Base-T PMC Ethernet Adapter
 1498 000c TPMC880-12 Single 10Base2 PMC Ethernet Adapter
 14cb 0100 LNDL-100N 100Base-TX Ethernet PC Card
 8086 0001 EtherExpress PRO/100 Mobile CardBus 32
 001a Farallon PN9000SX Gigabit Ethernet
 0021 DECchip 21052
 0022 DECchip 21150
 0023 DECchip 21150
 0024 DECchip 21152
 0025 DECchip 21153
 0026 DECchip 21154
 0034 56k Modem Cardbus
 1374 0003 56k Modem Cardbus
 0045 DECchip 21553
 0046 DECchip 21554
 0e11 4050 Integrated Smart Array
 0e11 4051 Integrated Smart Array
 0e11 4058 Integrated Smart Array
 103c 10c2 NetRAID-4M
 12d9 000a IP Telephony card
 4c53 1050 CT7 mainboard
 4c53 1051 CE7 mainboard
 9005 0364 5400S (Mustang)
 9005 0365 5400S (Mustang)
 9005 1364 Dell PowerEdge RAID Controller 2
 9005 1365 Dell PowerEdge RAID Controller 2
 e4bf 1000 CC8-1-BLUES
 1065
 StrongARM DC21285
 1069 0020 DAC960P / DAC1164P
 1012 Micronics Computers Inc
 1013 Cirrus Logic
 0038 GD 7548
 0040 GD 7555 Flat Panel GUI Accelerator
 004c GD 7556 Video/Graphics LCD/CRT Ctrlr
 00a0 GD 5430/40 [Alpine]
 00a2 GD 5432 [Alpine]
 00a4 GD 5434-4 [Alpine]
 00a8 GD 5434-8 [Alpine]
 00ac GD 5436 [Alpine]
 00b0 GD 5440
 00b8 GD 5446
 00bc GD 5480
 1013 00bc CL-GD5480
 00d0 GD 5462
 00d2 GD 5462 [Laguna I]
 00d4 GD 5464 [Laguna]

00d5 GD 5464 BD [Laguna]
00d6 GD 5465 [Laguna]
13ce 8031 Barco Metheus 2 Megapixel, Dual Head
13cf 8031 Barco Metheus 2 Megapixel, Dual Head
00e8 GD 5436U
1100 CL 6729
1110 PD 6832 PCMCIA/CardBus Ctrlr
1112 PD 6834 PCMCIA/CardBus Ctrlr
1113 PD 6833 PCMCIA/CardBus Ctrlr
1200 GD 7542 [Nordic]
1202 GD 7543 [Viking]
1204 GD 7541 [Nordic Light]
4000 MD 5620 [CLM Data Fax Voice]
4400 CD 4400
6001 CS 4610/11 [CrystalClear SoundFusion Audio Accelerator]
1014 1010 CS4610 SoundFusion Audio Accelerator
6003
CS 4614/22/24/30 [CrystalClear SoundFusion Audio Accelerator]
1013 4280 Crystal SoundFusion PCI Audio Accelerator
1014 0153 ThinkPad A20m
153b 112e DMX XFire 1024
153b 1136 SiXPack 5.1+
1681 0050 Game Theater XP
1681 a011 Fortissimo III 7.1
5053 3357 Santa Cruz
6004 CS 4614/22/24 [CrystalClear SoundFusion Audio Accelerator]
6005 Crystal CS4281 PCI Audio
1013 4281 Crystal CS4281 PCI Audio
10cf 10a8 Crystal CS4281 PCI Audio
10cf 10a9 Crystal CS4281 PCI Audio
10cf 10aa Crystal CS4281 PCI Audio
10cf 10ab Crystal CS4281 PCI Audio
10cf 10ac Crystal CS4281 PCI Audio
10cf 10ad Crystal CS4281 PCI Audio
10cf 10b4 Crystal CS4281 PCI Audio
1179 0001 Crystal CS4281 PCI Audio
14c0 000c Crystal CS4281 PCI Audio
1014 IBM
0002 PCI to MCA Bridge
0005 Alta Lite
0007 Alta MP
000a Fire Coral
0017 CPU to PCI Bridge
0018 TR Auto LANstreamer
001b GXT-150P
001c Carrera
001d 82G2675
0020 GXT1000 Graphics Adapter

0022 IBM27-82351
 002d
 Python
 002e SCSI RAID Adapter [ServeRAID]
 1014 002e ServeRAID-3x
 1014 022e ServeRAID-4H
 0031 2 Port Serial Adapter
 # AS400 iSeries PCI sync serial card
 1014 0031 2721 WAN IOA - 2 Port Sync Serial Adapter
 0036 Miami
 0037 82660 CPU to PCI Bridge
 003a CPU to PCI Bridge
 003c GXT250P/GXT255P Graphics Adapter
 003e 16/4 Token ring UTP/STP controller
 1014 003e Token-Ring Adapter
 1014 00cd Token-Ring Adapter + Wake-On-LAN
 1014 00ce 16/4 Token-Ring Adapter 2
 1014 00cf 16/4 Token-Ring Adapter Special
 1014 00e4 High-Speed 100/16/4 Token-Ring Adapter
 1014 00e5 16/4 Token-Ring Adapter 2 + Wake-On-LAN
 1014 016d iSeries 2744 Card
 0045 SSA Adapter
 0046 MPIC interrupt controller
 0047 PCI to PCI Bridge
 0048 PCI to PCI Bridge
 0049 Warhead SCSI Controller
 004e ATM Controller (14104e00)
 004f ATM Controller (14104f00)
 0050 ATM Controller (14105000)
 0053 25 MBit ATM Controller
 0054 GXT500P/GXT550P Graphics Adapter
 0057 MPEG PCI
 Bridge
 0058 SSA Adapter [Advanced SerialRAID/X]
 005c i82557B 10/100
 005e GXT800P Graphics Adapter
 007c ATM Controller (14107c00)
 007d 3780IDSP [MWave]
 008b EADS PCI to PCI Bridge
 008e GXT3000P Graphics Adapter
 0090 GXT 3000P
 1014 008e GXT-3000P
 0091 SSA Adapter
 0095 20H2999 PCI Docking Bridge
 0096 Chukar chipset SCSI controller
 1014 0097 iSeries 2778 DASD IOA
 1014 0098 iSeries 2763 DASD IOA
 1014 0099 iSeries 2748 DASD IOA

009f PCI 4758 Cryptographic Accelerator
 00a5 ATM Controller (1410a500)
 00a6 ATM 155MBPS MM Controller (1410a600)
 00b7 256-bit Graphics Rasterizer [FireGL1]
 1092 00b8 FireGL1 AGP 32Mb
 00b8 GXT2000P Graphics Adapter
 00be ATM 622MBPS Controller (1410be00)
 00dc Advanced Systems Management Adapter (ASMA)
 00fc CPC710 Dual Bridge and Memory Controller (PCI-64)
 0104 Gigabit Ethernet-SX Adapter
 0105 CPC710 Dual Bridge and Memory Controller (PCI-32)
 010f Remote Supervisor Adapter (RSA)
 0142 Yotta Video Compositor Input
 1014
 0143 Yotta Input Controller (ytin)
 0144 Yotta Video Compositor Output
 1014 0145 Yotta Output Controller (ytout)
 0156 405GP PLB to PCI Bridge
 015e 622Mbps ATM PCI Adapter
 0160 64bit/66MHz PCI ATM 155 MMF
 016e GXT4000P Graphics Adapter
 0170 GXT6000P Graphics Adapter
 017d GXT300P Graphics Adapter
 0180 Snipe chipset SCSI controller
 1014 0241 iSeries 2757 DASD IOA
 1014 0264 Quad Channel PCI-X U320 SCSI RAID Adapter (2780)
 0188 EADS-X PCI-X to PCI-X Bridge
 01a7 PCI-X to PCI-X Bridge
 01bd ServeRAID Controller
 1014 01be ServeRAID-4M
 1014 01bf ServeRAID-4L
 1014 0208 ServeRAID-4Mx
 1014 020e ServeRAID-4Lx
 1014 022e ServeRAID-4H
 1014 0258 ServeRAID-5i
 1014 0259 ServeRAID-5i
 01c1 64bit/66MHz PCI ATM 155 UTP
 01e6 Cryptographic Accelerator
 01ef PowerPC 440GP PCI Bridge
 1734 102b PCEAS PCI-X Dual Port ESCON Adapter
 1734 10f8 PCEAT PCI-Express Dual Port ESCON Adapter
 01ff 10/100 Mbps Ethernet
 0219 Multiport Serial Adapter
 1014
 021a Dual RVX
 1014 0251 Internal Modem/RVX
 1014 0252 Quad Internal Modem
 021b GXT6500P Graphics Adapter

021c GXT4500P Graphics Adapter
 0233 GXT135P Graphics Adapter
 0266 PCI-X Dual Channel SCSI
 0268 Gigabit Ethernet-SX Adapter (PCI-X)
 0269 10/100/1000 Base-TX Ethernet Adapter (PCI-X)
 028c Citrine chipset SCSI controller
 1014 028d Dual Channel PCI-X DDR SAS RAID Adapter (572E)
 1014 02be Dual Channel PCI-X DDR U320 SCSI RAID Adapter (571B)
 1014 02c0 Dual Channel PCI-X DDR U320 SCSI Adapter (571A)
 1014 030d PCI-X DDR Auxiliary Cache Adapter (575B)
 02a1 Calgary PCI-X Host Bridge
 02bd Obsidian chipset SCSI controller
 1014 02c1 PCI-X DDR 3Gb SAS Adapter (572A/572C)
 1014 02c2 PCI-X DDR 3Gb SAS RAID Adapter (572B/571D)
 1014 0338 PCI-X266 Auxiliary Cache Adapter (575C)
 0302 Winnipeg PCI-X Host Bridge
 0308 CalIOC2 PCI-E Root Port
 0314 ZISC 036 Neural accelerator card
 0339 Obsidian-E PCI-E SCSI controller
 1014 0360 PCI-E Auxiliary Cache
 Adapter (57B7)
 3022 QLA3022 Network Adapter
 4022 QLA3022 Network Adapter
 ffff MPIC-2 interrupt controller
 1015 LSI Logic Corp of Canada
 1016 ICL Personal Systems
 1017 SPEA Software AG
 5343 SPEA 3D Accelerator
 1018 Unisys Systems
 1019 Elitegroup Computer Systems
 101a AT&T GIS (NCR)
 0005 100VG ethernet
 1dc1 Bynet
 101a 0019 BIC2M
 101a 001f BIC4M
 101a 0ece BYA4M
 101b Vitesse Semiconductor
 101c Western Digital
 0193 33C193A
 0196 33C196A
 0197 33C197A
 0296 33C296A
 3193 7193
 3197 7197
 3296 33C296A
 4296 34C296
 9710 Pipeline 9710
 9712 Pipeline 9712

c24a 90C
 101e American Megatrends Inc.
 0009 MegaRAID 428 Ultra RAID Controller (rev 03)
 1960 MegaRAID
 101e 0471 MegaRAID 471 Enterprise 1600 RAID Controller
 101e 0475 MegaRAID 475 Express 500/500LC RAID Controller
 101e 0477 MegaRAID 477 Elite 3100 RAID Controller
 101e 0493 MegaRAID 493 Elite 1600 RAID Controller
 101e 0494 MegaRAID 494 Elite 1650 RAID Controller
 101e 0503 MegaRAID
 503 Enterprise 1650 RAID Controller
 101e 0511 MegaRAID 511 i4 IDE RAID Controller
 101e 0522 MegaRAID 522 i4133 RAID Controller
 1028 0471 PowerEdge RAID Controller 3/QC
 1028 0475 PowerEdge RAID Controller 3/SC
 1028 0493 PowerEdge RAID Controller 3/DC
 1028 0511 PowerEdge Cost Effective RAID Controller ATA100/4Ch
 103c 60e7 NetRAID-1M
 9010 MegaRAID 428 Ultra RAID Controller
 9030 EIDE Controller
 9031 EIDE Controller
 9032 EIDE & SCSI Controller
 9033 SCSI Controller
 9040 Multimedia card
 9060 MegaRAID 434 Ultra GT RAID Controller
 9063 MegaRAC
 101e 0767 Dell Remote Assistant Card 2
 101f PictureTel
 1020 Hitachi Computer Products
 1021 OKI Electric Industry Co. Ltd.
 1022 Advanced Micro Devices [AMD]
 1100 K8 [Athlon64/Opteron] HyperTransport Technology Configuration
 1101 K8 [Athlon64/Opteron] Address Map
 1102 K8 [Athlon64/Opteron] DRAM Controller
 1103 K8 [Athlon64/Opteron] Miscellaneous Control
 1200 Family 10h [Opteron, Athlon64, Sempron] HyperTransport
 Configuration
 1201 Family 10h [Opteron, Athlon64, Sempron] Address Map
 1202 Family 10h [Opteron, Athlon64, Sempron] DRAM Controller
 1203 Family 10h [Opteron, Athlon64, Sempron] Miscellaneous Control
 1204 Family 10h [Opteron, Athlon64, Sempron] Link Control
 1300 Family 11h HyperTransport Configuration
 1301 Family 11h Address Map
 1302 Family 11h DRAM Controller
 1303 Family 11h Miscellaneous Control
 1304 Family 11h Link Control
 2000 79c970 [PCnet32 LANCE]
 1014 2000 NetFinity 10/100 Fast Ethernet

1022 2000 PCnet - Fast 79C971
 103c 104c Ethernet with LAN remote power Adapter
 103c 1064 Ethernet with LAN remote power Adapter
 103c 1065 Ethernet with LAN remote power Adapter
 103c 106c Ethernet with LAN remote power Adapter
 103c 106e Ethernet with LAN remote power Adapter
 103c 10ea Ethernet with LAN remote power Adapter
 1113 1220 EN1220 10/100 Fast Ethernet
 1259 2450 AT-2450 10/100 Fast Ethernet
 1259 2454 AT-2450v4 10Mb Ethernet Adapter
 1259
 2700 AT-2700TX 10/100 Fast Ethernet
 1259 2701 AT-2700FX 100Mb Ethernet
 1259 2702 AT-2700FTX 10/100 Mb Fiber/Copper Fast Ethernet
 1259 2703 AT-2701FX
 1259 2704 AT-2701FTX 10/100 Mb Fiber/Copper Fast Ethernet
 4c53 1000 CC7/CR7/CP7/VC7/VP7/VR7 mainboard
 4c53 1010 CP5/CR6 mainboard
 4c53 1020 VR6 mainboard
 4c53 1030 PC5 mainboard
 4c53 1040 CL7 mainboard
 4c53 1060 PC7 mainboard
 2001 79c978 [HomePNA]
 1092 0a78 Multimedia Home Network Adapter
 1668 0299 ActionLink Home Network Adapter
 2003 Am 1771 MBW [Alchemy]
 2020 53c974 [PCscsi]
 2040 79c974
 2080 CS5536 [Geode companion] Host Bridge
 2081 Geode LX Video
 2082 Geode LX AES Security Block
 208f CS5536 GeodeLink PCI South Bridge
 2090 CS5536 [Geode companion] ISA
 2091 CS5536 [Geode companion] FLASH
 2093 CS5536 [Geode companion] Audio
 2094 CS5536 [Geode companion] OHC
 2095 CS5536 [Geode companion] EHC
 2096 CS5536 [Geode companion] UDC
 2097 CS5536 [Geode companion] UOC
 209a
 CS5536 [Geode companion] IDE
 3000 ELanSC520 Microcontroller
 7006 AMD-751 [Irongate] System Controller
 7007 AMD-751 [Irongate] AGP Bridge
 700a AMD-IGR4 AGP Host to PCI Bridge
 700b AMD-IGR4 PCI to PCI Bridge
 700c AMD-760 MP [IGD4-2P] System Controller
 700d AMD-760 MP [IGD4-2P] AGP Bridge

700e AMD-760 [IGD4-1P] System Controller
 700f AMD-760 [IGD4-1P] AGP Bridge
 7400 AMD-755 [Cobra] ISA
 7401 AMD-755 [Cobra] IDE
 7403 AMD-755 [Cobra] ACPI
 7404 AMD-755 [Cobra] USB
 7408 AMD-756 [Viper] ISA
 7409 AMD-756 [Viper] IDE
 740b AMD-756 [Viper] ACPI
 740c AMD-756 [Viper] USB
 7410 AMD-766 [ViperPlus] ISA
 7411 AMD-766 [ViperPlus] IDE
 7413 AMD-766 [ViperPlus] ACPI
 7414 AMD-766 [ViperPlus] USB
 7440 AMD-768 [Opus] ISA
 1043 8044 A7M-D Mainboard
 7441 AMD-768 [Opus] IDE
 7443 AMD-768 [Opus] ACPI
 1043 8044 A7M-D Mainboard
 7445 AMD-768 [Opus] Audio
 7446 AMD-768 [Opus] MC97 Modem (Smart Link HAMR5600 compatible)
 7448 AMD-768 [Opus] PCI
 7449 AMD-768
 [Opus] USB
 7450 AMD-8131 PCI-X Bridge
 7451 AMD-8131 PCI-X IOAPIC
 7454 AMD-8151 System Controller
 7455 AMD-8151 AGP Bridge
 7458 AMD-8132 PCI-X Bridge
 7459 AMD-8132 PCI-X IOAPIC
 7460 AMD-8111 PCI
 161f 3017 HDAMB
 7461 AMD-8111 USB
 7462 AMD-8111 Ethernet
 7464 AMD-8111 USB
 161f 3017 HDAMB
 7468 AMD-8111 LPC
 161f 3017 HDAMB
 7469 AMD-8111 IDE
 1022 2b80 AMD-8111 IDE [Quartet]
 161f 3017 HDAMB
 746a AMD-8111 SMBus 2.0
 746b AMD-8111 ACPI
 161f 3017 HDAMB
 746d AMD-8111 AC97 Audio
 161f 3017 HDAMB
 746e AMD-8111 MC97 Modem
 756b AMD-8111 ACPI

1023 Trident Microsystems
0194 82C194
2000 4DWave DX
2001 4DWave NX
122d 1400 Trident PCI288-Q3DII (NX)
2100 CyberBlade XP4m32
2200 XGI Volari XP5
8400 CyberBlade/i7
1023 8400 CyberBlade i7 AGP
8420 CyberBlade/i7d
0e11 b15a CyberBlade i7 AGP
8500 CyberBlade/i1
8520 CyberBlade i1
0e11 b16e CyberBlade i1 AGP
1023 8520 CyberBlade i1 AGP
8620 CyberBlade/i1
1014 0502 ThinkPad R30/T30
1014
1025 Travelmate 352TE
8820 CyberBlade XPAi1
9320 TGUI 9320
9350 GUI Accelerator
9360 Flat panel GUI Accelerator
9382 Cyber 9382 [Reference design]
9383 Cyber 9383 [Reference design]
9385 Cyber 9385 [Reference design]
9386 Cyber 9386
9388 Cyber 9388
9397 Cyber 9397
939a Cyber 9397DVD
9420 TGUI 9420
9430 TGUI 9430
9440 TGUI 9440
9460 TGUI 9460
9470 TGUI 9470
9520 Cyber 9520
9525 Cyber 9525
10cf 1094 Lifebook C6155
9540 Cyber 9540
9660 TGUI 9660/938x/968x
9680 TGUI 9680
9682 TGUI 9682
9683 TGUI 9683
9685 ProVIDIA 9685
9750 3DImage 9750
1014 9750 3DImage 9750
1023 9750 3DImage 9750
9753 TGUI 9753

9754 TGUI 9754
9759 TGUI 975
9783 TGUI 9783
9785 TGUI 9785
9850 3DImage 9850
9880 Blade 3D PCI/AGP
1023 9880 Blade 3D
9910 CyberBlade/XP
9930 CyberBlade/XPm
1024 Zenith Data Systems
1025 Acer Incorporated [ALI]
0090 BCM440x 100Base-TX Fast Ethernet
1435 M1435
1445 M1445
1449 M1449
1451 M1451
1461
M1461
1489 M1489
1511 M1511
1512 ALI M1512 Aladdin
1513 M1513
1521 ALI M1521 Aladdin III CPU Bridge
10b9 1521 ALI M1521 Aladdin III CPU Bridge
1523 ALI M1523 ISA Bridge
10b9 1523 ALI M1523 ISA Bridge
1531 M1531 Northbridge [Aladdin IV/IV+]
1533 M1533 PCI-to-ISA Bridge
10b9 1533 ALI M1533 Aladdin IV/V ISA South Bridge
1535 M1535 PCI Bridge + Super I/O + FIR
1541 M1541 Northbridge [Aladdin V]
10b9 1541 ALI M1541 Aladdin V/V+ AGP+PCI North Bridge
1542 M1542 Northbridge [Aladdin V]
1543 M1543 PCI-to-ISA Bridge + Super I/O + FIR
1561 M1561 Northbridge [Aladdin 7]
1621 M1621 Northbridge [Aladdin-Pro II]
1631 M1631 Northbridge+3D Graphics [Aladdin TNT2]
1641 M1641 Northbridge [Aladdin-Pro IV]
1647 M1647 [MaGiK1] PCI North Bridge
1671 M1671 Northbridge [ALADDiN-P4]
1672 Northbridge [CyberALADDiN-P4]
3141 M3141
3143 M3143
3145 M3145
3147 M3147
3149 M3149
3151 M3151
3307 M3307 MPEG-I Video Controller

3309 M3309 MPEG-II Video
 w/ Software Audio Decoder
 3321 M3321 MPEG-II Audio/Video Decoder
 5212 M4803
 5215 ALI PCI EIDE Controller
 5217 M5217H
 5219 M5219
 5225 M5225
 5229 M5229
 5235 M5235
 5237 M5237 PCI USB Host Controller
 5240 EIDE Controller
 5241 PCMCIA Bridge
 5242 General Purpose Controller
 5243 PCI to PCI Bridge Controller
 5244 Floppy Disk Controller
 5247 M1541 PCI to PCI Bridge
 5251 M5251 P1394 Controller
 5427 PCI to AGP Bridge
 5451 M5451 PCI AC-Link Controller Audio Device
 5453 M5453 PCI AC-Link Controller Modem Device
 7101 M7101 PCI PMU Power Management Controller
 10b9 7101 M7101 PCI PMU Power Management Controller
 1028 Dell
 0001 PowerEdge Expandable RAID Controller 2/Si
 1028 0001 PowerEdge 2400
 0002 PowerEdge Expandable RAID Controller 3/Di
 1028 0002 PowerEdge 4400
 1028 00d1 PERC 3/DiV [Viper]
 1028 00d9 PERC 3/DiL [Lexus]
 0003 PowerEdge Expandable RAID Controller 3/Si
 1028 0003 PowerEdge 2450
 # PowerEdge Codename Iguana
 0004 PowerEdge Expandable
 RAID Controller 3/Di [Iguana]
 1028 0004 PERC 3/DiF [Iguana]
 0006 PowerEdge Expandable RAID Controller 3/Di
 0007 Remote Access Card III
 0008 Remote Access Card III
 0009 Remote Access Card III: BMC/SMIC device not present
 000a PowerEdge Expandable RAID Controller 3/Di
 1028 0106 PERC 3/DiJ [Jaguar]
 1028 011b PERC 3/DiD [Dagger]
 1028 0121 PERC 3/DiB [Boxster]
 000c Embedded Remote Access or ERA/O
 000d Embedded Remote Access: BMC/SMIC device
 000e PowerEdge Expandable RAID controller 4/Di
 000f PowerEdge Expandable RAID controller 4/Di

0010 Remote Access Card 4
 0011 Remote Access Card 4 Daughter Card
 0012 Remote Access Card 4 Daughter Card Virtual UART
 0013 PowerEdge Expandable RAID controller 4
 1028 016c PowerEdge Expandable RAID Controller 4e/Si
 1028 016d PowerEdge Expandable RAID Controller 4e/Di
 1028 016e PowerEdge Expandable RAID Controller 4e/Di
 1028 016f PowerEdge Expandable RAID Controller 4e/Di
 1028 0170 PowerEdge Expandable
 RAID Controller 4e/Di
 0014 Remote Access Card 4 Daughter Card SMIC interface
 0015 PowerEdge Expandable RAID controller 5i
 1028 1f01 PERC 5/E Adapter RAID Controller
 1028 1f02 PERC 5/i Adapter RAID Controller
 1028 1f03 PERC 5/i Adapter RAID Controller
 1029 Siemens Nixdorf IS
 102a LSI Logic
 0000 HYDRA
 0010 ASPEN
 001f AHA-2940U2/U2W /7890/7891 SCSI Controllers
 9005 000f 2940U2W SCSI Controller
 9005 0106 2940U2W SCSI Controller
 9005 a180 2940U2W SCSI Controller
 00c5 AIC-7899 U160/m SCSI Controller
 1028 00c5 PowerEdge 2550/2650/4600
 00cf AIC-7899P U160/m
 1028 0106 PowerEdge 4600
 1028 0121 PowerEdge 2650
 102b Matrox Graphics, Inc.
 # DJ: I've a suspicion that 0010 is a duplicate of 0d10.
 0010 MGA-I [Impression?]
 0100 MGA 1064SG [Mystique]
 0518 MGA-II [Athena]
 0519 MGA 2064W [Millennium]
 051a MGA 1064SG [Mystique]
 102b 0100 MGA-1064SG Mystique
 102b 1100 MGA-1084SG Mystique
 102b 1200 MGA-1084SG Mystique
 1100 102b MGA-1084SG Mystique
 110a
 0018 Scenic Pro C5 (D1025)
 051b MGA 2164W [Millennium II]
 102b 051b MGA-2164W Millennium II
 102b 1100 MGA-2164W Millennium II
 102b 1200 MGA-2164W Millennium II
 051e MGA 1064SG [Mystique] AGP
 051f MGA 2164W [Millennium II] AGP
 0520 MGA G200

102b dbc2 G200 Multi-Monitor
102b dbc8 G200 Multi-Monitor
102b dbe2 G200 Multi-Monitor
102b dbe8 G200 Multi-Monitor
102b ff03 Millennium G200 SD
102b ff04 Marvel G200
0521 MGA G200 AGP
1014 ff03 Millennium G200 AGP
102b 48e9 Mystique G200 AGP
102b 48f8 Millennium G200 SD AGP
102b 4a60 Millennium G200 LE AGP
102b 4a64 Millennium G200 AGP
102b c93c Millennium G200 AGP
102b c9b0 Millennium G200 AGP
102b c9bc Millennium G200 AGP
102b ca60 Millennium G250 LE AGP
102b ca6c Millennium G250 AGP
102b dbbc Millennium G200 AGP
102b dbc2 Millennium G200 MMS (Dual G200)
102b dbc3 G200 Multi-Monitor
102b dbc8 Millennium G200 MMS (Dual G200)
102b dbd2 G200 Multi-Monitor
102b
dbd3 G200 Multi-Monitor
102b dbd4 G200 Multi-Monitor
102b dbd5 G200 Multi-Monitor
102b dbd8 G200 Multi-Monitor
102b dbd9 G200 Multi-Monitor
102b dbe2 Millennium G200 MMS (Quad G200)
102b dbe3 G200 Multi-Monitor
102b dbe8 Millennium G200 MMS (Quad G200)
102b dbf2 G200 Multi-Monitor
102b dbf3 G200 Multi-Monitor
102b dbf4 G200 Multi-Monitor
102b dbf5 G200 Multi-Monitor
102b dbf8 G200 Multi-Monitor
102b dbf9 G200 Multi-Monitor
102b f806 Mystique G200 Video AGP
102b ff00 MGA-G200 AGP
102b ff02 Mystique G200 AGP
102b ff03 Millennium G200 AGP
102b ff04 Marvel G200 AGP
110a 0032 MGA-G200 AGP
0522 MGA G200e [Pilot] ServerEngines (SEP1)
0525 MGA G400/G450
0e11 b16f MGA-G400 AGP
102b 0328 Millennium G400 16Mb SDRAM
102b 0338 Millennium G400 16Mb SDRAM

102b 0378 Millennium G400 32Mb SDRAM
 102b 0541 Millennium G450 Dual Head
 102b 0542 Millennium G450 Dual Head LX
 102b 0543 Millennium G450 Single Head LX
 102b
 0641 Millennium G450 32Mb SDRAM Dual Head
 102b 0642 Millennium G450 32Mb SDRAM Dual Head LX
 102b 0643 Millennium G450 32Mb SDRAM Single Head LX
 102b 07c0 Millennium G450 Dual Head LE
 102b 07c1 Millennium G450 SDR Dual Head LE
 102b 0d41 Millennium G450 Dual Head PCI
 102b 0d42 Millennium G450 Dual Head LX PCI
 102b 0d43 Millennium G450 32Mb Dual Head PCI
 102b 0e00 Marvel G450 eTV
 102b 0e01 Marvel G450 eTV
 102b 0e02 Marvel G450 eTV
 102b 0e03 Marvel G450 eTV
 102b 0f80 Millennium G450 Low Profile
 102b 0f81 Millennium G450 Low Profile
 102b 0f82 Millennium G450 Low Profile DVI
 102b 0f83 Millennium G450 Low Profile DVI
 102b 19d8 Millennium G400 16Mb SGRAM
 102b 19f8 Millennium G400 32Mb SGRAM
 102b 2159 Millennium G400 Dual Head 16Mb
 102b 2179 Millennium G400 MAX/Dual Head 32Mb
 102b 217d Millennium G400 Dual Head Max
 102b 23c0 Millennium G450
 102b 23c1 Millennium G450
 102b 23c2 Millennium G450 DVI
 102b 23c3 Millennium G450
 DVI
 102b 2f58 Millennium G400
 102b 2f78 Millennium G400
 102b 3693 Marvel G400 AGP
 102b 5dd0 4Sight II
 102b 5f50 4Sight II
 102b 5f51 4Sight II
 102b 5f52 4Sight II
 102b 9010 Millennium G400 Dual Head
 1458 0400 GA-G400
 1705 0001 Millennium G450 32MB SGRAM
 1705 0002 Millennium G450 16MB SGRAM
 1705 0003 Millennium G450 32MB
 1705 0004 Millennium G450 16MB
 0527 MGA Parhelia AGP
 102b 0840 Parhelia 128Mb
 102b 0850 Parhelia 256MB AGP 4X
 0528 Parhelia 8X

102b 1020 Parhelia 128MB
 102b 1030 Parhelia 256 MB Dual DVI
 102b 14e1 Parhelia PCI 256MB
 102b 2021 QID Pro
 0d10 MGA Ultima/Impression
 1000 MGA G100 [Productiva]
 102b ff01 Productiva G100
 102b ff05 Productiva G100 Multi-Monitor
 1001 MGA G100 [Productiva] AGP
 102b 1001 MGA-G100 AGP
 102b ff00 MGA-G100 AGP
 102b ff01 MGA-G100 Productiva AGP
 102b ff03 Millennium G100 AGP
 102b ff04 MGA-G100 AGP
 102b ff05 MGA-G100 Productiva AGP Multi-Monitor
 110a 001e MGA-G100
 AGP
 2007 MGA Mistral
 2527 MGA G550 AGP
 102b 0f83 Millennium G550
 102b 0f84 Millennium G550 Dual Head DDR 32Mb
 102b 1e41 Millennium G550
 2537 Millenium P650/P750
 102b 1820 Millennium P750 64MB
 102b 1830 Millennium P650 64MB
 102b 1c10 QID 128MB
 102b 2811 Millennium P650 Low-profile PCI 64MB
 102b 2c11 QID Low-profile PCI
 2538 Millenium P650 PCIE
 102b 08c7 Millennium P650 PCIE 128MB
 102b 0907 Millennium P650 PCIE 64MB
 102b 0947 Parhelia APVe
 102b 1047 Millennium P650 LP PCIE 128MB
 102b 1087 Millennium P650 LP PCIE 64MB
 102b 2538 Parhelia APVe
 102b 3007 QID Low-profile PCIE
 4536 VIA Framegrabber
 4cdc Morphis Vision System Jpeg2000
 4fc5 Morphis Vision System
 5e10 Morphis Vision System Aux/IO
 6573 Shark 10/100 Multiport SwitchNIC
 102c Chips and Technologies
 00b8 F64310
 00c0 F69000 HiQVideo
 102c 00c0 F69000 HiQVideo
 4c53 1000 CC7/CR7/CP7/VC7/VP7/VR7 mainboard
 4c53 1010 CP5/CR6 mainboard
 4c53 1020 VR6 mainboard

4c53
 1030 PC5 mainboard
 4c53 1050 CT7 mainboard
 4c53 1051 CE7 mainboard
 00d0 F65545
 00d8 F65545
 00dc F65548
 00e0 F65550
 00e4 F65554
 00e5 F65555 HiQVPro
 0e11 b049 Armada 1700 Laptop Display Controller
 1179 0001 Satellite Pro
 00f0 F68554
 00f4 F68554 HiQVision
 00f5 F68555
 0c30 F69030
 4c53 1000 CC7/CR7/CP7/VC7/VP7/VR7 mainboard
 4c53 1050 CT7 mainboard
 4c53 1051 CE7 mainboard
 4c53 1080 CT8 mainboard
 102d Wyse Technology Inc.
 50dc 3328 Audio
 102e Olivetti Advanced Technology
 102f Toshiba America
 0009 r4x00
 000a TX3927 MIPS RISC PCI Controller
 0020 ATM Meteor 155
 102f 00f8 ATM Meteor 155
 0030 TC35815CF PCI 10/100 Mbit Ethernet Controller
 0031 TC35815CF PCI 10/100 Mbit Ethernet Controller with WOL
 0032 TC35815CF PCI 10/100 Mbit Ethernet Controller on TX4939
 0105 TC86C001 [goku-s] IDE
 0106 TC86C001 [goku-s] USB 1.1 Host
 0107 TC86C001 [goku-s] USB Device Controller
 0108 TC86C001 [goku-s] I2C/SIO/GPIO Controller
 0180 TX4927/38
 MIPS RISC PCI Controller
 0181 TX4925 MIPS RISC PCI Controller
 0182 TX4937 MIPS RISC PCI Controller
 1030 TMC Research
 1031 Miro Computer Products AG
 5601 DC20 ASIC
 5607 Video I/O & motion JPEG compressor
 5631 Media 3D
 6057 MiroVideo DC10/DC30+
 1032 Compaq
 1033 NEC Corporation
 0000 Vr4181A USB Host or Function Control Unit

0001 PCI to 486-like bus Bridge
 0002 PCI to VL98 Bridge
 0003 ATM Controller
 0004 R4000 PCI Bridge
 0005 PCI to 486-like bus Bridge
 0006 PC-9800 Graphic Accelerator
 0007 PCI to UX-Bus Bridge
 0008 PC-9800 Graphic Accelerator
 0009 PCI to PC9800 Core-Graph Bridge
 0016 PCI to VL Bridge
 001a [Nile II]
 0021 Vrc4373 [Nile I]
 0029 PowerVR PCX1
 002a PowerVR 3D
 002c Star Alpha 2
 002d PCI to C-bus Bridge
 0035 USB
 1033 0035 Hama USB 2.0 CardBus
 1179 0001 USB
 12ee 7000 Root Hub
 14c2 0105 PTI-205N USB 2.0 Host Controller
 1799 0001 Root Hub
 1931 000a GlobeTrotter Fusion Quad Lite (PPP data)
 1931 000b GlobeTrotter
 Fusion Quad Lite (GSM data)
 807d 0035 PCI-USB2 (OHCI subsystem)
 003b PCI to C-bus Bridge
 003e NAPCCARD Cardbus Controller
 0046 PowerVR PCX2 [midas]
 005a Vrc5074 [Nile 4]
 0063 Firewarden
 0067 PowerVR Neon 250 Chipset
 1010 0020 PowerVR Neon 250 AGP 32Mb
 1010 0080 PowerVR Neon 250 AGP 16Mb
 1010 0088 PowerVR Neon 250 16Mb
 1010 0090 PowerVR Neon 250 AGP 16Mb
 1010 0098 PowerVR Neon 250 16Mb
 1010 00a0 PowerVR Neon 250 AGP 32Mb
 1010 00a8 PowerVR Neon 250 32Mb
 1010 0120 PowerVR Neon 250 AGP 32Mb
 0072 uPD72874 IEEE1394 OHCI 1.1 3-port PHY-Link Ctrlr
 0074 56k Voice Modem
 1033 8014 RCV56ACF 56k Voice Modem
 009b Vrc5476
 00a5 VRC4173
 00a6 VRC5477 AC97
 00cd IEEE 1394 [OrangeLink] Host Controller
 12ee 8011 Root hub

00ce IEEE 1394 Host Controller
 00df Vr4131
 00e0 USB 2.0
 12ee 7001 Root hub
 14c2 0205 PTI-205N USB 2.0 Host Controller
 1799 0002 Root Hub
 807d 1043 PCI-USB2 (EHCI subsystem)
 00e7 IEEE 1394 Host Controller
 00f2
 uPD72874 IEEE1394 OHCI 1.1 3-port PHY-Link Ctrlr
 00f3 uPD6113x Multimedia Decoder/Processor [EMMA2]
 010c VR7701
 0125 uPD720400 PCI Express - PCI/PCI-X Bridge
 013a Dual Tuner/MPEG Encoder
 1034 Framatome Connectors USA Inc.
 1035 Comp. & Comm. Research Lab
 1036 Future Domain Corp.
 0000 TMC-18C30 [36C70]
 1037 Hitachi Micro Systems
 1038 AMP, Inc
 1039 Silicon Integrated Systems [SiS]
 0001 Virtual PCI-to-PCI bridge (AGP)
 0002 SG86C202
 0003 SiS AGP Port (virtual PCI-to-PCI bridge)
 0004 PCI-to-PCI bridge
 0006 85C501/2/3
 0008 SiS85C503/5513 (LPC Bridge)
 0009 ACPI
 000a PCI-to-PCI bridge
 0016 SiS961/2 SMBus Controller
 0018 SiS85C503/5513 (LPC Bridge)
 0180 RAID bus controller 180 SATA/PATA [SiS]
 0181 SATA
 0182 182 SATA/RAID Controller
 1734 1095 D2030-A1
 0186 AHCI Controller (0106)
 0190 190 Gigabit Ethernet Adapter
 0191 191 Gigabit Ethernet Adapter
 0200 5597/5598/6326 VGA
 1039 0000 SiS5597 SVGA (Shared RAM)
 0204 82C204
 0205 SG86C205
 0300
 300/305 PCI/AGP VGA Display Adapter
 107d 2720 Leadtek WinFast VR300
 0310 315H PCI/AGP VGA Display Adapter
 0315 315 PCI/AGP VGA Display Adapter
 0325 315PRO PCI/AGP VGA Display Adapter

0330 330 [Xabre] PCI/AGP VGA Display Adapter
0406 85C501/2
0496 85C496
0530 530 Host
0540 540 Host
0550 550 Host
0597 5513C
0601 85C601
0620 620 Host
0630 630 Host
0633 633 Host
0635 635 Host
0645 SiS645 Host & Memory & AGP Controller
0646 SiS645DX Host & Memory & AGP Controller
0648 645xx
0650 650/M650 Host
0651 651 Host
0655 655 Host
0660 660 Host
0661 661FX/M661FX/M661MX Host
0662 662 Host
0730 730 Host
0733 733 Host
0735 735 Host
0740 740 Host
0741 741/741GX/M741 Host
0745 745 Host
0746 746 Host
0755 755 Host
0760 760/M760 Host
0761 761/M761 Host
1734 1099 D2030-A1 Motherboard
0900 SiS900 PCI Fast Ethernet
1019 0a14 K7S5A motherboard
1039 0900 SiS900 10/100 Ethernet Adapter
1043 8035 CUSI-FX motherboard
1462 0900 MS-6701
motherboard
0961 SiS961 [MuTIOL Media IO]
0962 SiS962 [MuTIOL Media IO]
0963 SiS963 [MuTIOL Media IO]
0964 SiS964 [MuTIOL Media IO]
0965 SiS965 [MuTIOL Media IO]
0966 SiS966 [MuTIOL Media IO]
0968 SiS968 [MuTIOL Media IO]
1180 SATA Controller / IDE mode
1182 SATA Controller / RAID mode
1183 SATA Controller / IDE mode

1184 AHCI Controller / RAID mode
 1185 AHCI IDE Controller (0106)
 3602 83C602
 5107 5107
 5300 SiS540 PCI Display Adapter
 5315 550 PCI/AGP VGA Display Adapter
 5401 486 PCI Chipset
 5511 5511/5512
 5513 5513 [IDE]
 1019 0970 P6STP-FL motherboard
 1039 5513 SiS5513 EIDE Controller (A,B step)
 1043 8035 CUSI-FX motherboard
 1462 7010 MS-6701 motherboard
 1734 1095 D2030-A1 Motherboard
 5517 5517
 5571 5571
 5581 5581 Pentium Chipset
 5582 5582
 5591 5591/5592 Host
 5596 5596 Pentium Chipset
 5597 5597 [SiS5582]
 5600 5600 Host
 6204 Video decoder & MPEG interface
 6205 VGA Controller
 6236 6236 3D-AGP
 6300 630/730
 PCI/AGP VGA Display Adapter
 1019 0970 P6STP-FL motherboard
 1043 8035 CUSI-FX motherboard
 6306 530/620 PCI/AGP VGA Display Adapter
 1039 6306 SiS530,620 GUI Accelerator+3D
 6325 65x/M650/740 PCI/AGP VGA Display Adapter
 6326 86C326 5598/6326
 1039 6326 SiS6326 GUI Accelerator
 1092 0a50 SpeedStar A50
 1092 0a70 SpeedStar A70
 1092 4910 SpeedStar A70
 1092 4920 SpeedStar A70
 1569 6326 SiS6326 GUI Accelerator
 6330 661/741/760 PCI/AGP or 662/761Gx PCIE VGA Display Adapter
 1039 6330 [M]661xX/[M]741[GX]/[M]760 PCI/AGP VGA Adapter
 1043 8113 SiS Real 256E (ASUS P5S800-VM motherboard)
 1458 d000 SiS661FX GUI 2D/3D Accelerator
 1734 1099 D2030-A1
 6350 770/670 PCIE VGA Display Adapter
 6351 771/671 PCIE VGA Display Adapter
 7001 USB 1.0 Controller
 1019 0a14 K7S5A motherboard

1039 7000 Onboard USB Controller
 1462 5470 K7SOM+ 5.2C Motherboard
 1462 7010 MS-6701 motherboard
 1734 1095 D2030-A1 Motherboard
 7002 USB 2.0 Controller
 1462 7010 MS-6701
 motherboard
 1509 7002 Onboard USB Controller
 1734 1095 D2030-A1
 7007 FireWire Controller
 1462 701d MS-6701
 7012 AC'97 Sound Controller
 1462 7010 MS-6701 motherboard
 15bd 1001 DFI 661FX motherboard
 1734 109f D2030-A1 Motherboard
 # There are may be different modem codecs here (Intel537 compatible and incompatible)
 7013 AC'97 Modem Controller
 7016 SiS7016 PCI Fast Ethernet Adapter
 1039 7016 SiS7016 10/100 Ethernet Adapter
 7018 SiS PCI Audio Accelerator
 1014 01b6 SiS PCI Audio Accelerator
 1014 01b7 SiS PCI Audio Accelerator
 1019 7018 SiS PCI Audio Accelerator
 1025 000e SiS PCI Audio Accelerator
 1025 0018 SiS PCI Audio Accelerator
 1039 7018 SiS PCI Audio Accelerator
 1043 1453 SiS PCI Audio Accelerator
 1043 800b SiS PCI Audio Accelerator
 1054 7018 SiS PCI Audio Accelerator
 107d 5330 SiS PCI Audio Accelerator
 107d 5350 SiS PCI Audio Accelerator
 1170 3209 SiS PCI Audio Accelerator
 1462 400a SiS PCI Audio Accelerator
 14a4
 2089 SiS PCI Audio Accelerator
 14cd 2194 SiS PCI Audio Accelerator
 14ff 1100 SiS PCI Audio Accelerator
 152d 8808 SiS PCI Audio Accelerator
 1558 1103 SiS PCI Audio Accelerator
 1558 2200 SiS PCI Audio Accelerator
 1563 7018 SiS PCI Audio Accelerator
 15c5 0111 SiS PCI Audio Accelerator
 270f a171 SiS PCI Audio Accelerator
 a0a0 0022 SiS PCI Audio Accelerator
 7019 SiS7019 Audio Accelerator
 7502 Azalia Audio Controller
 103a Seiko Epson Corporation
 103b Tatung Co. of America

103c Hewlett-Packard Company
002a NX9000 Notebook
1005 A4977A Visualize EG
1008 Visualize FX
1028 Tach TL Fibre Channel Host Adapter
1029 Tach XL2 Fibre Channel Host Adapter
107e 000f Interphase 5560 Fibre Channel Adapter
9004 9210 1Gb/2Gb Family Fibre Channel Controller
9004 9211 1Gb/2Gb Family Fibre Channel Controller
102a Tach TS Fibre Channel Host Adapter
107e 000e Interphase 5540/5541 Fibre Channel Adapter
9004 9110 1Gb/2Gb Family Fibre Channel Controller
9004
9111 1Gb/2Gb Family Fibre Channel Controller
1030 J2585A DeskDirect 10/100VG NIC
1031 J2585B HP 10/100VG PCI LAN Adapter
103c 1040 J2973A DeskDirect 10BaseT NIC
103c 1041 J2585B DeskDirect 10/100VG NIC
103c 1042 J2970A DeskDirect 10BaseT/2 NIC
1040 J2973A DeskDirect 10BaseT NIC
1041 J2585B DeskDirect 10/100 NIC
1042 J2970A DeskDirect 10BaseT/2 NIC
1048 Diva Serial [GSP] Multiport UART
103c 1049 Tosca Console
103c 104a Tosca Secondary
103c 104b Maestro SP2
103c 1223 Superdome Console
103c 1226 Keystone SP2
103c 1227 Powerbar SP2
103c 1282 Everest SP2
103c 1301 Diva RMP3
1054 PCI Local Bus Adapter
1064 79C970 PCnet Ethernet Controller
108b Visualize FXe
10c1 NetServer Smart IRQ Router
10ed TopTools Remote Control
10f0 rio System Bus Adapter
10f1 rio I/O Controller
1200 82557B 10/100 NIC
1219 NetServer PCI Hot-Plug Controller
121a NetServer SMIC Controller
121b NetServer Legacy COM Port Decoder
121c NetServer
PCI COM Port Decoder
1229 zx1 System Bus Adapter
122a zx1 I/O Controller
122e PCI-X Local Bus Adapter
127b sx1000 System Bus Adapter

127c sx1000 I/O Controller
1290 Auxiliary Diva Serial Port
1291 Auxiliary Diva Serial Port
12b4 zx1 QuickSilver AGP8x Local Bus Adapter
12eb sx2000 System Bus Adapter
12ec sx2000 I/O Controller
12ee PCI-X 2.0 Local Bus Adapter
12f8 Broadcom BCM4306 802.11b/g Wireless LAN
12fa BCM4306 802.11b/g Wireless LAN Controller
1302 RMP-3 Shared Memory Driver
1303 RMP-3 (Remote Management Processor)
1361 BCM4312 802.11a/b/g WLAN Controller
2910 E2910A PCIBus Exerciser
2925 E2925A 32 Bit, 33 MHzPCI Exerciser & Analyzer
3080 Pavilion ze2028ea
3085 Realtek RTL8139/8139C/8139C+
30b5 Compaq Presario V3000Z
3220 Smart Array P600
103c 3225 3 Gb/s SAS RAID
3230 Smart Array Controller
103c 3223 Smart Array P800
103c 3234 P400 SAS Controller
103c 3235 P400i SAS Controller
103c 3237 E500 SAS Controller
3238 Smart
Array E200i (SAS Controller)
4030 zx2 System Bus Adapter
4031 zx2 I/O Controller
4037 PCIe Local Bus Adapter
403b PCIe Root Port
60e8 NetRAID-2M : ZX1/M (OEM AMI MegaRAID 493)
103e Solliday Engineering
103f Synopsys/Logic Modeling Group
1040 Accelgraphics Inc.
1041 Computrend
1042 Micron
1000 PC Tech RZ1000
1001 PC Tech RZ1001
3000 Samurai_0
3010 Samurai_1
3020 Samurai_IDE
1043 ASUSTeK Computer Inc.
0675 ISDNLink P-IN100-ST-D
0675 1704 ISDN Adapter (PCI Bus, D, C)
0675 1707 ISDN Adapter (PCI Bus, DV, W)
10cf 105e ISDN Adapter (PCI Bus, DV, W)
0c11 A7N8X Motherboard nForce2 IDE/USB/SMBus
4015 v7100 SDRAM [GeForce2 MX]

4021 v7100 Combo Deluxe [GeForce2 MX + TV tuner]
 4057 v8200 GeForce 3
 8043 v8240 PAL 128M [P4T] Motherboard
 8047 v8420 Deluxe [GeForce4 Ti4200]
 807b v9280/TD [Geforce4 Ti4200 8X With TV-Out and DVI]
 8095 A7N8X Motherboard nForce2 AC97 Audio
 80ac A7N8X Motherboard nForce2 AGP/Memory
 80bb v9180 Magic/T [GeForce4 MX440
 AGP 8x 64MB TV-out]
 80c5 nForce3 chipset motherboard [SK8N]
 80df v9520 Magic/T
 815a A8N-SLI Motherboard nForce4 SATA
 8168 Realtek PCI-E Gigabit Ethernet Controller (RTL8111B)
 8187 802.11a/b/g Wireless LAN Card
 8188 Tiger Hybrid TV Capture Device
 81f4 EN7300TC512/TD/128M/A(C262G) [Graphics Card EN7300TC512]
 1044 Adaptec (formerly DPT)
 1012 Domino RAID Engine
 a400 SmartCache/Raid I-IV Controller
 a500 PCI Bridge
 a501 SmartRAID V Controller
 1044 c001 PM1554U2 Ultra2 Single Channel
 1044 c002 PM1654U2 Ultra2 Single Channel
 1044 c003 PM1564U3 Ultra3 Single Channel
 1044 c004 PM1564U3 Ultra3 Dual Channel
 1044 c005 PM1554U2 Ultra2 Single Channel (NON ACPI)
 1044 c00a PM2554U2 Ultra2 Single Channel
 1044 c00b PM2654U2 Ultra2 Single Channel
 1044 c00c PM2664U3 Ultra3 Single Channel
 1044 c00d PM2664U3 Ultra3 Dual Channel
 1044 c00e PM2554U2 Ultra2 Single Channel (NON ACPI)
 1044 c00f PM2654U2 Ultra2 Single Channel (NON ACPI)
 1044 c014 PM3754U2 Ultra2
 Single Channel (NON ACPI)
 1044 c015 PM3755U2B Ultra2 Single Channel (NON ACPI)
 1044 c016 PM3755F Fibre Channel (NON ACPI)
 1044 c01e PM3757U2 Ultra2 Single Channel
 1044 c01f PM3757U2 Ultra2 Dual Channel
 1044 c020 PM3767U3 Ultra3 Dual Channel
 1044 c021 PM3767U3 Ultra3 Quad Channel
 1044 c028 PM2865U3 Ultra3 Single Channel
 1044 c029 PM2865U3 Ultra3 Dual Channel
 1044 c02a PM2865F Fibre Channel
 1044 c03c 2000S Ultra3 Single Channel
 1044 c03d 2000S Ultra3 Dual Channel
 1044 c03e 2000F Fibre Channel
 1044 c046 3000S Ultra3 Single Channel
 1044 c047 3000S Ultra3 Dual Channel

1044 c048 3000F Fibre Channel
 1044 c050 5000S Ultra3 Single Channel
 1044 c051 5000S Ultra3 Dual Channel
 1044 c052 5000F Fibre Channel
 1044 c05a 2400A UDMA Four Channel
 1044 c05b 2400A UDMA Four Channel DAC
 1044 c064 3010S Ultra3 Dual Channel
 1044 c065 3410S Ultra160 Four Channel
 1044 c066 3010S Fibre Channel
 a511 SmartRAID V Controller
 1044 c032 ASR-2005S
 I2O Zero Channel
 1044 c035 ASR-2010S I2O Zero Channel
 1045 OPTi Inc.
 a0f8 82C750 [Vendetta] USB Controller
 c101 92C264
 c178 92C178
 c556 82X556 [Viper]
 c557 82C557 [Viper-M]
 c558 82C558 [Viper-M ISA+IDE]
 c567 82C750 [Vendetta], device 0
 c568 82C750 [Vendetta], device 1
 c569 82C579 [Viper XPress+ Chipset]
 c621 82C621 [Viper-M/N+]
 c700 82C700 [FireStar]
 c701 82C701 [FireStar Plus]
 c814 82C814 [Firebridge 1]
 c822 82C822
 c824 82C824
 c825 82C825 [Firebridge 2]
 c832 82C832
 c861 82C861
 c895 82C895
 c935 EV1935 ECTIVA MachOne PCIAudio
 d568 82C825 [Firebridge 2]
 d721 IDE [FireStar]
 1046 IPC Corporation, Ltd.
 1047 Genoa Systems Corp
 1048 Elsa AG
 0c60 Gladiac MX
 0d22 Quadro4 900XGL [ELSA GLoria4 900XGL]
 1000 QuickStep 1000
 3000 QuickStep 3000
 8901 Gloria XL
 1048 0935 GLoria XL (Virge)
 1049 Fountain Technologies, Inc.
 # nee SGS Thomson Microelectronics
 104a STMicroelectronics

0008 STG 2000X
 0009 STG 1764X
 0010 STG4000 [3D
 Prophet Kyro Series]
 0209 STPC Consumer/Industrial North- and Southbridge
 020a STPC Atlas/ConsumerS/Consumer IIA Northbridge
 0210 STPC Atlas ISA Bridge
 021a STPC Consumer S Southbridge
 021b STPC Consumer IIA Southbridge
 0500 ST70137 [Unicorn] ADSL DMT Transceiver
 104a 0500 BeWAN ADSL PCI st
 0564 STPC Client Northbridge
 0981 21x4x DEC-Tulip compatible 10/100 Ethernet
 1746 STG 1764X
 2774 21x4x DEC-Tulip compatible 10/100 Ethernet
 3520 MPEG-II decoder card
 55cc STPC Client Southbridge
 104b BusLogic
 0140 BT-946C (old) [multimaster 01]
 1040 BT-946C (BA80C30) [MultiMaster 10]
 8130 Flashpoint LT
 104c Texas Instruments
 0500 100 MBit LAN Controller
 0508 TMS380C2X Compressor Interface
 1000 Eagle i/f AS
 104c PCI1510 PC card Cardbus Controller
 3d04 TVP4010 [Permedia]
 3d07 TVP4020 [Permedia 2]
 1011 4d10 Comet
 1040 000f AccelStar II
 1040 0011 AccelStar II
 1048 0a31 WINNER 2000
 1048 0a32 GLoria Synergy
 1048 0a34 GLoria Synergy
 1048
 0a35 GLoria Synergy
 1048 0a36 GLoria Synergy
 1048 0a43 GLoria Synergy
 1048 0a44 GLoria Synergy
 107d 2633 WinFast 3D L2300
 1092 0127 FIRE GL 1000 PRO
 1092 0136 FIRE GL 1000 PRO
 1092 0141 FIRE GL 1000 PRO
 1092 0146 FIRE GL 1000 PRO
 1092 0148 FIRE GL 1000 PRO
 1092 0149 FIRE GL 1000 PRO
 1092 0152 FIRE GL 1000 PRO
 1092 0154 FIRE GL 1000 PRO

1092 0155 FIRE GL 1000 PRO
 1092 0156 FIRE GL 1000 PRO
 1092 0157 FIRE GL 1000 PRO
 1097 3d01 Jeronimo Pro
 1102 100f Graphics Blaster Extreme
 3d3d 0100 Reference Permedia 2 3D
 8000 PCILynx/PCILynx2 IEEE 1394 Link Layer Controller
 e4bf 1010 CF1-1-SNARE
 e4bf 1020 CF1-2-SNARE
 8009 FireWire Controller
 104d 8032 8032 OHCI i.LINK (IEEE 1394) Controller
 8017 PCI4410 FireWire Controller
 8019 TSB12LV23 IEEE-1394 Controller
 11bd 000a Studio DV500-1394
 11bd 000e Studio DV
 e4bf 1010 CF2-1-CYMBAL
 8020 TSB12LV26 IEEE-1394 Controller (Link)
 11bd 000f Studio DV500-1394
 11bd 001c Excalibur
 4.1
 8021 TSB43AA22 IEEE-1394 Controller (PHY/Link Integrated)
 104d 80df Vaio PCG-FX403
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 8022 TSB43AB22 IEEE-1394a-2000 Controller (PHY/Link)
 8023 TSB43AB22/A IEEE-1394a-2000 Controller (PHY/Link)
 103c 088c NC8000 laptop
 1043 808b K8N4-E Mainboard
 1043 815b P5W DH Deluxe Motherboard
 8024 TSB43AB23 IEEE-1394a-2000 Controller (PHY/Link)
 8025 TSB82AA2 IEEE-1394b Link Layer Controller
 1458 1000 GA-K8N Ultra-9 Mainboard
 8026 TSB43AB21 IEEE-1394a-2000 Controller (PHY/Link)
 1025 003c Aspire 2001WLCi (Compaq CL50 motherboard)
 103c 006a NX9500
 1043 808d A7V333 mainboard.
 8027 PCI4451 IEEE-1394 Controller
 1028 00e6 PCI4451 IEEE-1394 Controller (Dell Inspiron 8100)
 8029 PCI4510 IEEE-1394 Controller
 1028 0163 Latitude D505
 1028 0196 Inspiron 5160
 1071 8160 MIM2900
 802b PCI7410,7510,7610 OHCI-Lynx Controller
 1028 0139 Latitude D400
 1028 014e PCI7410,7510,7610 OHCI-Lynx Controller
 (Latitude D800)
 802e PCI7x20 1394a-2000 OHCI Two-Port PHY/Link-Layer Controller
 8031 PCIXx21/x515 Cardbus Controller
 1025 0080 Aspire 5024WLMi

103c 099c NX6110/NC6120
 103c 308b MX6125
 8032 OHCI Compliant IEEE 1394 Host Controller
 1025 0080 Aspire 5024WLMi
 103c 099c NX6110/NC6120
 103c 308b MX6125
 8033 PCIXx21 Integrated FlashMedia Controller
 1025 0080 Aspire 5024WLMi
 103c 099c NX6110/NC6120
 103c 308b MX6125
 8034 PCI6411/6421/6611/6621/7411/7421/7611/7621 Secure Digital Controller
 1025 0080 Aspire 5024WLMi
 103c 099c NX6110/NC6120
 103c 308b MX6125
 8035 PCI6411/6421/6611/6621/7411/7421/7611/7621 Smart Card Controller
 103c 099c NX6110/NC6120
 8036 PCI6515 Cardbus Controller
 8038 PCI6515 SmartCard Controller
 8039 PCIXx12 Cardbus Controller
 103c 309f nx9420
 103c 30a1 NC2400
 803a PCIXx12 OHCI Compliant IEEE 1394 Host Controller
 103c 309f nx9420
 103c 30a1 NC2400
 803b 5-in-1 Multimedia Card Reader (SD/MMC/MS/MS PRO/xD)
 103c
 309f nx9420
 803c PCIXx12 SDA Standard Compliant SD Host Controller
 103c 309f nx9420
 803d PCIXx12 GemCore based SmartCard controller
 103c 309f nx9420
 103c 30a1 NC2400
 8201 PCI1620 Firmware Loading Function
 8204 PCI7410,7510,7610 PCI Firmware Loading Function
 1028 0139 Latitude D400
 1028 014e Latitude D800
 8231 XIO2000(A)/XIO2200(A) PCI Express-to-PCI Bridge
 8235 XIO2200(A) IEEE-1394a-2000 Controller (PHY/Link)
 8400 ACX 100 22Mbps Wireless Interface
 1186 3b00 DWL-650+ PC Card cardbus 22Mbs Wireless Adapter [AirPlus]
 1186 3b01 DWL-520+ 22Mbps PCI Wireless Adapter
 16ab 8501 WL-8305 IEEE802.11b+ Wireless LAN PCI Adapter
 8401 ACX 100 22Mbps Wireless Interface
 9000 Wireless Interface (of unknown type)
 9065 TMS320DM642
 9066 ACX 111 54Mbps Wireless Interface
 104c 9066 Trendnet TEW-421PC Wireless PCI Adapter
 1186 3b04 DWL-G520+ Wireless PCI Adapter

1186 3b05 DWL-G650+ AirPlusG+ CardBus Wireless LAN
13d1 aba0 SWLMP-54108 108Mbps Wireless
mini PCI card 802.11g+
1737 0033 WPC54G Ver.2 802.11G PC Card
a001 TDC1570
a100 TDC1561
a102 TNETA1575 HyperSAR Plus w/PCI Host i/f & UTOPIA i/f
a106 TMS320C6414 TMS320C6415 TMS320C6416
175c 5000 ASI50xx Audio Adapter
175c 6400 ASI6400 Cobranet series
175c 8700 ASI87xx Radio Tuner card
ac10 PCI1050
ac11 PCI1053
ac12 PCI1130
ac13 PCI1031
ac15 PCI1131
ac16 PCI1250
1014 0092 ThinkPad 600
ac17 PCI1220
ac18 PCI1260
ac19 PCI1221
ac1a PCI1210
ac1b PCI1450
0e11 b113 Armada M700
1014 0130 Thinkpad T20/T22/A21m
ac1c PCI1225
0e11 b121 Armada E500
1028 0088 Latitude CPi A400XT
ac1d PCI1251A
ac1e PCI1211
ac1f PCI1251B
ac20 TI 2030
ac21 PCI2031
ac22 PCI2032 PCI Docking Bridge
ac23 PCI2250 PCI-to-PCI Bridge
ac28 PCI2050 PCI-to-PCI Bridge
ac30 PCI1260 PC card Cardbus Controller
ac40 PCI4450 PC card Cardbus Controller
ac41 PCI4410 PC card Cardbus Controller
ac42 PCI4451 PC card Cardbus Controller
1028 00e6 PCI4451
PC card CardBus Controller (Inspiron 8100)
ac44 PCI4510 PC card Cardbus Controller
1028 0149 Inspiron 5100
1028 0163 Latitude D505
1028 0196 Inspiron 5160
1071 8160 MIM2000
ac46 PCI4520 PC card Cardbus Controller

ac47 PCI7510 PC card Cardbus Controller
 1028 0139 Latitude D400
 1028 013f Precision M60
 1028 014e Latitude D800
 ac4a PCI7510,7610 PC card Cardbus Controller
 1028 0139 Latitude D400
 1028 014e Latitude D800
 ac50 PCI1410 PC card Cardbus Controller
 ac51 PCI1420 PC card Cardbus Controller
 0e11 004e Evo N600c
 1014 0148 ThinkPad A20m
 1014 023b ThinkPad T23 (2647-4MG)
 1028 00b1 Latitude C600
 1028 012a Latitude C640
 1033 80cd Versa Note VXi
 1095 10cf Fujitsu-Siemens LifeBook C Series
 10cf 1095 Lifebook S-4510/C6155
 e4bf 1000 CP2-2-HIPHOP
 ac52 PCI1451 PC card Cardbus Controller
 ac53 PCI1421 PC card Cardbus Controller
 ac54 PCI1620 PC Card Controller
 103c 08b0 tc1100 tablet
 ac55 PCI1520 PC card Cardbus Controller
 1014
 0512 ThinkPad T30/T40
 ac56 PCI1510 PC card Cardbus Controller
 1014 0512 Thinkpad R50e model 1634
 1014 0528 ThinkPad R40e (2684-HVG) Cardbus Controller
 17aa 2012 ThinkPad T60/R60 series
 ac60 PCI2040 PCI to DSP Bridge Controller
 175c 5100 ASI51xx Audio Adapter
 175c 6100 ASI61xx Audio Adapter
 175c 6200 ASI62xx Audio Adapter
 175c 8800 ASI88xx Audio Adapter
 ac8d PCI 7620
 ac8e PCI7420 CardBus Controller
 ac8f PCI7420/7620 Combo CardBus, 1394a-2000 OHCI and SD/MS-Pro Controller
 1028 018d Inspiron 700m
 fe00 FireWire Host Controller
 fe03 12C01A FireWire Host Controller
 104d Sony Corporation
 8004 DTL-H2500 [Playstation development board]
 8009 CXD1947Q i.LINK Controller
 8039 CXD3222 i.LINK Controller
 8056 Rockwell HCF 56K modem
 808a Memory Stick Controller
 104e Oak Technology, Inc
 0017 OTI-64017

0107 OTI-107 [Spitfire]
 0109 Video Adapter
 0111 OTI-64111 [Spitfire]
 0217 OTI-64217
 0317 OTI-64317
 104f Co-time Computer Ltd
 1050
 Winbond Electronics Corp
 0000 NE2000
 0001 W83769F
 0033 W89C33D 802.11 a/b/g BB/MAC
 0105 W82C105
 0840 W89C840
 1050 0001 W89C840 Ethernet Adapter
 1050 0840 W89C840 Ethernet Adapter
 0940 W89C940
 5a5a W89C940F
 6692 W6692
 1043 1702 ISDN Adapter (PCI Bus, D, W)
 1043 1703 ISDN Adapter (PCI Bus, DV, W)
 1043 1707 ISDN Adapter (PCI Bus, DV, W)
 144f 1702 ISDN Adapter (PCI Bus, D, W)
 144f 1703 ISDN Adapter (PCI Bus, DV, W)
 144f 1707 ISDN Adapter (PCI Bus, DV, W)
 9921 W99200F MPEG-1 Video Encoder
 9922 W99200F/W9922PF MPEG-1/2 Video Encoder
 9970 W9970CF
 1051 Anigma, Inc.
 1052 ?Young Micro Systems
 1053 Young Micro Systems
 1054 Hitachi, Ltd
 3011 ColdFusion 3e Chipset Processor to I/O Controller
 3012 ColdFusion 3e Chipset Memory Controller Hub
 1055 Efar Microsystems
 9130 SLC90E66 [Victory66] IDE
 9460 SLC90E66 [Victory66] ISA
 9462 SLC90E66 [Victory66] USB
 9463 SLC90E66 [Victory66] ACPI
 1056 ICL
 # Motorola made a mistake and used 1507 instead
 of 1057 in some chips. Please look at the 1507 entry as well when updating this.
 1057 Motorola
 0001 MPC105 [Eagle]
 0002 MPC106 [Grackle]
 0003 MPC8240 [Kahlua]
 0004 MPC107
 0006 MPC8245 [Unity]
 0008 MPC8540

0009 MPC8560
0012 MPC8548 [PowerQUICC III]
0100 MC145575 [HFC-PCI]
0431 KTI829c 100VG
1073 Nokia N770
1219 Nokia N800
1801 DSP56301 Digital Signal Processor
14fb 0101 Transas Radar Imitator Board [RIM]
14fb 0102 Transas Radar Imitator Board [RIM-2]
14fb 0202 Transas Radar Integrator Board [RIB-2]
14fb 0611 1 channel CAN bus Controller [CanPci-1]
14fb 0612 2 channels CAN bus Controller [CanPci-2]
14fb 0613 3 channels CAN bus Controller [CanPci-3]
14fb 0614 4 channels CAN bus Controller [CanPci-4]
14fb 0621 1 channel CAN bus Controller [CanPci2-1]
14fb 0622 2 channels CAN bus Controller [CanPci2-2]
14fb 0810 Transas VTS Radar Integrator Board [RIB-4]
175c 4200 ASI4215 Audio Adapter
175c 4300 ASI43xx Audio Adapter
175c
4400 ASI4401 Audio Adapter
ecc0 0010 Darla
ecc0 0020 Gina
ecc0 0030 Layla rev.0
ecc0 0031 Layla rev.1
ecc0 0040 Darla24 rev.0
ecc0 0041 Darla24 rev.1
ecc0 0050 Gina24 rev.0
ecc0 0051 Gina24 rev.1
ecc0 0070 Mona rev.0
ecc0 0071 Mona rev.1
ecc0 0072 Mona rev.2
18c0 MPC8265A/8266/8272
18c1 MPC8271/MPC8272
3052 SM56 Data Fax Modem
3055 SM56 Data Fax Modem
3410 DSP56361 Digital Signal Processor
ecc0 0050 Gina24 rev.0
ecc0 0051 Gina24 rev.1
ecc0 0060 Layla24
ecc0 0070 Mona rev.0
ecc0 0071 Mona rev.1
ecc0 0072 Mona rev.2
ecc0 0080 Mia rev.0
ecc0 0081 Mia rev.1
ecc0 0090 Indigo
ecc0 00a0 Indigo IO
ecc0 00b0 Indigo DJ

ecc0 0100 3G
 4801 Raven
 4802 Falcon
 4803 Hawk
 4806 CPX8216
 4d68 20268
 5600 SM56 PCI Modem
 1057 0300 SM56 PCI Speakerphone Modem
 1057 0301 SM56 PCI Voice Modem
 1057 0302 SM56 PCI Fax Modem
 1057 5600 SM56 PCI Voice modem
 13d2 0300 SM56 PCI Speakerphone Modem
 13d2 0301 SM56 PCI
 Voice modem
 13d2 0302 SM56 PCI Fax Modem
 1436 0300 SM56 PCI Speakerphone Modem
 1436 0301 SM56 PCI Voice modem
 1436 0302 SM56 PCI Fax Modem
 144f 100c SM56 PCI Fax Modem
 1494 0300 SM56 PCI Speakerphone Modem
 1494 0301 SM56 PCI Voice modem
 14c8 0300 SM56 PCI Speakerphone Modem
 14c8 0302 SM56 PCI Fax Modem
 1668 0300 SM56 PCI Speakerphone Modem
 1668 0302 SM56 PCI Fax Modem
 5608 Wildcard X100P
 5803 MPC5200
 5806 MCF54 Coldfire
 5808 MPC8220
 5809 MPC5200B
 6400 MPC190 Security Processor (S1 family, encryption)
 6405 MPC184 Security Processor (S1 family)
 1058 Electronics & Telecommunications RSH
 1059 Teknor Industrial Computers Inc
 105a Promise Technology, Inc.
 0d30 PDC20265 (FastTrak100 Lite/Ultra100)
 1043 8042 AV7266-E South Bridge Promise RAID
 105a 4d33 Ultra100
 0d38 20263
 105a 4d39 Fasttrak66
 1275 20275
 3318 PDC20318 (SATA150 TX4)
 3319 PDC20319 (FastTrak S150 TX4)
 8086 3427 S875WP1-E mainboard
 3371 PDC20371 (FastTrak
 S150 TX2plus)
 3373 PDC20378 (FastTrak 378/SATA 378)
 1043 80f5 K8V Deluxe/PC-DL Deluxe motherboard

1462 702e K8T NEO FIS2R motherboard
 3375 PDC20375 (SATA150 TX2plus)
 3376 PDC20376 (FastTrak 376)
 1043 809e A7V8X motherboard
 3515 PDC40719 [FastTrak TX4300/TX4310]
 3519 PDC40519 (FastTrak TX4200)
 3570 20771 (FastTrak TX2300)
 3571 PDC20571 (FastTrak TX2200)
 3574 PDC20579 SATAII 150 IDE Controller
 3577 PDC40779 (SATA 300 779)
 3d17 PDC40718 (SATA 300 TX4)
 3d18 PDC20518/PDC40518 (SATAII 150 TX4)
 3d73 PDC40775 (SATA 300 TX2plus)
 3d75 PDC20575 (SATAII150 TX2plus)
 4302 80333 [SuperTrak EX4350]
 4d30 PDC20267 (FastTrak100/Ultra100)
 105a 4d33 Ultra100
 105a 4d39 FastTrak100
 8086 5744 S845WD1-E mainboard
 4d33 20246
 105a 4d33 20246 IDE Controller
 4d38 PDC20262 (FastTrak66/Ultra66)
 105a 4d30 Ultra Device on SuperTrak
 105a 4d33 Ultra66
 105a 4d39 FastTrak66
 4d68 PDC20268 (Ultra100 TX2)
 105a 4d68 Ultra100TX2
 4d69 20269
 105a 4d68 Ultra133TX2
 5275
 PDC20276 (MBFastTrak133 Lite)
 1043 807e A7V333 motherboard.
 105a 0275 SuperTrak SX6000 IDE
 105a 1275 MBBFastTrak133 Lite (tm) Controller (RAID mode)
 1458 b001 MBUltra 133
 5300 DC5300
 6268 PDC20270 (FastTrak100 LP/TX2/TX4)
 105a 4d68 FastTrak100 TX2
 6269 PDC20271 (FastTrak TX2000)
 105a 6269 FastTrak TX2/TX2000
 6621 PDC20621 (FastTrak S150 SX4/FastTrak SX4000 lite)
 6622 PDC20621 [SATA150 SX4] 4 Channel IDE RAID Controller
 6624 PDC20621 [FastTrak SX4100]
 6626 PDC20618 (Ultra 618)
 6629 PDC20619 (FastTrak TX4000)
 7275 PDC20277 (SBFastTrak133 Lite)
 8002 SATAII150 SX8
 8350 80333 [SuperTrak EX8350/EX16350], 80331 [SuperTrak EX8300/EX16300]

8650 81348 [SuperTrak EX4650/EX8650/EX8654/EX4650EL]

105a 4600 SuperTrak EX4650

105a 4610 SuperTrak EX4650EL

105a 8601 SuperTrak EX8650

105a 8602 SuperTrak EX8654

c350 80333 [SuperTrak EX12350]

e350 80333 [SuperTrak EX24350]

105b Foxconn International, Inc.

0c4d SiS AC'97 Sound Controller

105c

Wipro Infotech Limited

105d Number 9 Computer Company

2309 Imagine 128

2339 Imagine 128-II

105d 0000 Imagine 128 series 2 4Mb VRAM

105d 0001 Imagine 128 series 2 4Mb VRAM

105d 0002 Imagine 128 series 2 4Mb VRAM

105d 0003 Imagine 128 series 2 4Mb VRAM

105d 0004 Imagine 128 series 2 4Mb VRAM

105d 0005 Imagine 128 series 2 4Mb VRAM

105d 0006 Imagine 128 series 2 4Mb VRAM

105d 0007 Imagine 128 series 2 4Mb VRAM

105d 0008 Imagine 128 series 2e 4Mb DRAM

105d 0009 Imagine 128 series 2e 4Mb DRAM

105d 000a Imagine 128 series 2 8Mb VRAM

105d 000b Imagine 128 series 2 8Mb H-VRAM

11a4 000a Barco Metheus 5 Megapixel

13cc 0000 Barco Metheus 5 Megapixel

13cc 0004 Barco Metheus 5 Megapixel

13cc 0005 Barco Metheus 5 Megapixel

13cc 0006 Barco Metheus 5 Megapixel

13cc 0008 Barco Metheus 5 Megapixel

13cc 0009 Barco Metheus 5 Megapixel

13cc 000a Barco Metheus 5 Megapixel

13cc 000c Barco Metheus 5 Megapixel

493d Imagine 128 T2R

[Ticket to Ride]

11a4 000a Barco Metheus 5 Megapixel, Dual Head

11a4 000b Barco Metheus 5 Megapixel, Dual Head

13cc 0002 Barco Metheus 4 Megapixel, Dual Head

13cc 0003 Barco Metheus 5 Megapixel, Dual Head

13cc 0007 Barco Metheus 5 Megapixel, Dual Head

13cc 0008 Barco Metheus 5 Megapixel, Dual Head

13cc 0009 Barco Metheus 5 Megapixel, Dual Head

13cc 000a Barco Metheus 5 Megapixel, Dual Head

5348 Revolution 4

105d 0037 Revolution IV-FP AGP (For SGI 1600SW)

11a4 0028 PVS5600M

11a4 0038 PVS5600D
105e Vtech Computers Ltd
105f Infotronic America Inc
1060 United Microelectronics [UMC]
0001 UM82C881
0002 UM82C886
0101 UM8673F
0881 UM8881
0886 UM8886F
0891 UM8891A
1001 UM886A
673a UM8886BF
673b EIDE Master/DMA
8710 UM8710
886a UM8886A
8881 UM8881F
8886 UM8886F
888a UM8886A
8891 UM8891A
9017 UM9017F
9018 UM9018
9026 UM9026
e881 UM8881N
e886 UM8886N
e88a UM8886N
e891 UM8891N
1061 I.I.T.
0001 AGX016
0002 IIT3204/3501
1062
Maspar Computer Corp
1063 Ocean Office Automation
1064 Alcatel
1065 Texas Microsystems
1066 PicoPower Technology
0000 PT80C826
0001 PT86C521 [Vesuvius v1] Host Bridge
0002 PT86C523 [Vesuvius v3] PCI-ISA Bridge Master
0003 PT86C524 [Nile] PCI-to-PCI Bridge
0004 PT86C525 [Nile-II] PCI-to-PCI Bridge
0005 National PC87550 System Controller
8002 PT86C523 [Vesuvius v3] PCI-ISA Bridge Slave
1067 Mitsubishi Electric
0301 AccelGraphics AccelECLIPSE
0304 AccelGALAXY A2100 [OEM Evans & Sutherland]
0308 Tornado 3000 [OEM Evans & Sutherland]
1002 VG500 [VolumePro Volume Rendering Accelerator]
1068 Diversified Technology

1069 Mylex Corporation
 0001 DAC960P
 0002 DAC960PD
 0010 DAC960PG
 0020 DAC960LA
 0050 AcceleRAID 352/170/160 support Device
 1069 0050 AcceleRAID 352 support Device
 1069 0052 AcceleRAID 170 support Device
 1069 0054 AcceleRAID 160 support Device
 b166 AcceleRAID 600/500/400/Sapphire support Device
 1014 0242 iSeries 2872 DASD
 IOA
 1014 0266 Dual Channel PCI-X U320 SCSI Adapter
 1014 0278 Dual Channel PCI-X U320 SCSI RAID Adapter
 1014 02d3 Dual Channel PCI-X U320 SCSI Adapter
 1014 02d4 Dual Channel PCI-X U320 SCSI RAID Adapter
 1069 0200 AcceleRAID 400, Single Channel, PCI-X, U320, SCSI RAID
 1069 0202 AcceleRAID Sapphire, Dual Channel, PCI-X, U320, SCSI RAID
 1069 0204 AcceleRAID 500, Dual Channel, Low-Profile, PCI-X, U320, SCSI RAID
 1069 0206 AcceleRAID 600, Dual Channel, PCI-X, U320, SCSI RAID
 ba55 eXtremeRAID 1100 support Device
 ba56 eXtremeRAID 2000/3000 support Device
 1069 0030 eXtremeRAID 3000 support Device
 1069 0040 eXtremeRAID 2000 support Device
 ba57 eXtremeRAID 4000/5000 support Device
 1069 0072 eXtremeRAID 5000 support Device
 106a Aten Research Inc
 106b Apple Computer Inc.
 0001 Bandit PowerPC host bridge
 0002 Grand Central I/O
 0003 Control Video
 0004 PlanB Video-In
 0007 O'Hare I/O
 000c DOS on Mac
 000e Hydra Mac I/O
 0010 Heathrow Mac I/O
 0017
 Paddington Mac I/O
 0018 UniNorth FireWire
 0019 KeyLargo USB
 001e UniNorth Internal PCI
 001f UniNorth PCI
 0020 UniNorth AGP
 0021 UniNorth GMAC (Sun GEM)
 0022 KeyLargo Mac I/O
 0024 UniNorth/Pangea GMAC (Sun GEM)
 0025 KeyLargo/Pangea Mac I/O
 0026 KeyLargo/Pangea USB

0027 UniNorth/Pangea AGP
0028 UniNorth/Pangea PCI
0029 UniNorth/Pangea Internal PCI
002d UniNorth 1.5 AGP
002e UniNorth 1.5 PCI
002f UniNorth 1.5 Internal PCI
0030 UniNorth/Pangea FireWire
0031 UniNorth 2 FireWire
106b 5811 iBook G4 2004
0032 UniNorth 2 GMAC (Sun GEM)
0033 UniNorth 2 ATA/100
0034 UniNorth 2 AGP
0035 UniNorth 2 PCI
0036 UniNorth 2 Internal PCI
003b UniNorth/Intrepid ATA/100
003e KeyLargo/Intrepid Mac I/O
003f KeyLargo/Intrepid USB
0040 K2 KeyLargo USB
0041 K2 KeyLargo Mac/IO
0042 K2 FireWire
0043 K2 ATA/100
0045 K2 HT-PCI Bridge
0046 K2 HT-PCI Bridge
0047 K2 HT-PCI Bridge
0048 K2 HT-PCI Bridge
0049 K2 HT-PCI Bridge
004b U3 AGP
004c K2
GMAC (Sun GEM)
004f Shasta Mac I/O
0050 Shasta IDE
0051 Shasta (Sun GEM)
0052 Shasta Firewire
0053 Shasta PCI Bridge
0054 Shasta PCI Bridge
0055 Shasta PCI Bridge
0058 U3L AGP Bridge
0059 U3H AGP Bridge
0066 Intrepid2 AGP Bridge
0067 Intrepid2 PCI Bridge
0068 Intrepid2 PCI Bridge
0069 Intrepid2 ATA/100
006a Intrepid2 Firewire
006b Intrepid2 GMAC (Sun GEM)
1645 Tigon3 Gigabit Ethernet NIC (BCM5701)
106c Hynix Semiconductor
8801 Dual Pentium ISA/PCI Motherboard
8802 PowerPC ISA/PCI Motherboard

8803 Dual Window Graphics Accelerator
 8804 LAN Controller
 8805 100-BaseT LAN
 106d Sequent Computer Systems
 106e DFI, Inc
 106f City Gate Development Ltd
 1070 Daewoo Telecom Ltd
 1071 Mitac
 8160 Mitac 8060B Mobile Platform
 1072 GIT Co Ltd
 1073 Yamaha Corporation
 0001 3D GUI Accelerator
 0002 YGV615 [RPA3 3D-Graphics Controller]
 0003 YMF-740
 0004 YMF-724
 1073 0004 YMF724-Based PCI Audio Adapter
 0005 DS1 Audio
 1073 0005 DS-XG PCI Audio
 CODEC
 0006 DS1 Audio
 0008 DS1 Audio
 1073 0008 DS-XG PCI Audio CODEC
 000a DS1L Audio
 1073 0004 DS-XG PCI Audio CODEC
 1073 000a DS-XG PCI Audio CODEC
 000c YMF-740C [DS-1L Audio Controller]
 107a 000c DS-XG PCI Audio CODEC
 000d YMF-724F [DS-1 Audio Controller]
 1073 000d DS-XG PCI Audio CODEC
 0010 YMF-744B [DS-1S Audio Controller]
 1073 0006 DS-XG PCI Audio CODEC
 1073 0010 DS-XG PCI Audio CODEC
 0012 YMF-754 [DS-1E Audio Controller]
 1073 0012 DS-XG PCI Audio Codec
 0020 DS-1 Audio
 1000 SW1000XG [XG Factory]
 2000 DS2416 Digital Mixing Card
 1073 2000 DS2416 Digital Mixing Card
 1074 NexGen Microsystems
 4e78 82c500/1
 1075 Advanced Integrations Research
 1076 Chaintech Computer Co. Ltd
 1077 QLogic Corp.
 1016 ISP10160 Single Channel Ultra3 SCSI Processor
 1020 ISP1020 Fast-wide SCSI
 1022 ISP1022 Fast-wide SCSI
 1080 ISP1080 SCSI Host Adapter
 1216 ISP12160 Dual Channel Ultra3 SCSI Processor

101e 8471 QLA12160 on AMI MegaRAID
 101e 8493
 QLA12160 on AMI MegaRAID
 1240 ISP1240 SCSI Host Adapter
 1280 ISP1280 SCSI Host Adapter
 2020 ISP2020A Fast!SCSI Basic Adapter
 2100 QLA2100 64-bit Fibre Channel Adapter
 1077 0001 QLA2100 64-bit Fibre Channel Adapter
 2200 QLA2200 64-bit Fibre Channel Adapter
 1077 0002 QLA2200
 2300 QLA2300 64-bit Fibre Channel Adapter
 2312 ISP2312-based 2Gb Fibre Channel to PCI-X HBA
 103c 0131 2Gb Fibre Channel - Single port [A7538A]
 103c 12ba 2Gb Fibre Channel - Dual port [A6826A]
 2322 ISP2322-based 2Gb Fibre Channel to PCI-X HBA
 2422 ISP2422-based 4Gb Fibre Channel to PCI-X HBA
 103c 12d7 4Gb Fibre Channel [AB379A]
 103c 12dd 4Gb Fibre Channel [AB429A]
 2432 ISP2432-based 4Gb Fibre Channel to PCI Express HBA
 3022 ISP4022-based Ethernet NIC
 3032 ISP4032-based Ethernet IPv6 NIC
 4010 ISP4010-based iSCSI TOE HBA
 4022 ISP4022-based iSCSI TOE HBA
 4032 ISP4032-based iSCSI TOE IPv6 HBA
 5432 SP232-based 4Gb Fibre Channel to PCI Express HBA
 6312 SP202-based 2Gb Fibre
 Channel to PCI-X HBA
 6322 SP212-based 2Gb Fibre Channel to PCI-X HBA
 1078 Cyrix Corporation
 0000 5510 [Grappa]
 0001 PCI Master
 0002 5520 [Cognac]
 0100 5530 Legacy [Kahlua]
 0101 5530 SMI [Kahlua]
 0102 5530 IDE [Kahlua]
 0103 5530 Audio [Kahlua]
 0104 5530 Video [Kahlua]
 0400 ZFMicro PCI Bridge
 0401 ZFMicro Chipset SMI
 0402 ZFMicro Chipset IDE
 0403 ZFMicro Expansion Bus
 1079 I-Bus
 107a NetWorth
 107b Gateway 2000
 107c LG Electronics [Lucky Goldstar Co. Ltd]
 107d LeadTek Research Inc.
 0000 P86C850
 204d [GeForce 7800 GTX] Winfast PX7800 GTX TDH

2134 WinFast 3D S320 II
 2971 [GeForce FX 5900] WinFast A350 TDH MyViVo
 107e Interphase Corporation
 0001 5515 ATM Adapter [Flipper]
 0002 100 VG AnyLan Controller
 0004 5526 Fibre Channel Host Adapter
 0005 x526 Fibre Channel Host Adapter
 0008 5525/5575 ATM Adapter (155 Mbit) [Atlantic]
 9003 5535-4P-BRI-ST
 9007 5535-4P-BRI-U
 9008 5535-1P-SR
 900c 5535-1P-SR-ST
 900e 5535-1P-SR-U
 9011 5535-1P-PRI
 9013
 5535-2P-PRI
 9023 5536-4P-BRI-ST
 9027 5536-4P-BRI-U
 9031 5536-1P-PRI
 9033 5536-2P-PRI
 107f Data Technology Corporation
 0802 SL82C105
 1080 Contaq Microsystems
 0600 82C599
 c691 Cypress CY82C691
 c693 82c693
 1081 Supermac Technology
 0d47 Radius PCI to NuBUS Bridge
 1082 EFA Corporation of America
 1083 Forex Computer Corporation
 0001 FR710
 1084 Parador
 1085 Tulip Computers Int.B.V.
 1086 J. Bond Computer Systems
 1087 Cache Computer
 1088 Microcomputer Systems (M) Son
 1089 Data General Corporation
 # Formerly Bit3 Computer Corp.
 108a SBS Technologies
 0001 VME Bridge Model 617
 0010 VME Bridge Model 618
 0040 dataBLIZZARD
 3000 VME Bridge Model 2706
 108c Oakleigh Systems Inc.
 108d Olicom
 0001 Token-Ring 16/4 PCI Adapter (3136/3137)
 0002 16/4 Token Ring
 0004 RapidFire 3139 Token-Ring 16/4 PCI Adapter

108d 0004 OC-3139/3140 RapidFire Token-Ring 16/4 Adapter
 0005 GoCard 3250 Token-Ring 16/4 CardBus PC Card
 0006 OC-3530 RapidFire Token-Ring
 100
 0007 RapidFire 3141 Token-Ring 16/4 PCI Fiber Adapter
 108d 0007 OC-3141 RapidFire Token-Ring 16/4 Adapter
 0008 RapidFire 3540 HSTR 100/16/4 PCI Adapter
 108d 0008 OC-3540 RapidFire HSTR 100/16/4 Adapter
 0011 OC-2315
 0012 OC-2325
 0013 OC-2183/2185
 0014 OC-2326
 0019 OC-2327/2250 10/100 Ethernet Adapter
 108d 0016 OC-2327 Rapidfire 10/100 Ethernet Adapter
 108d 0017 OC-2250 GoCard 10/100 Ethernet Adapter
 0021 OC-6151/6152 [RapidFire ATM 155]
 0022 ATM Adapter
 108e Sun Microsystems Computer Corp.
 0001 EBUS
 1000 EBUS
 1001 Happy Meal
 1100 RIO EBUS
 1101 RIO GEM
 1102 RIO 1394
 1103 RIO USB
 1648 [bge] Gigabit Ethernet
 2bad GEM
 5000 Simba Advanced PCI Bridge
 108e 5000 Netra AX1105-500
 5043 SunPCI Co-processor
 676e SunPCiIII
 7063 SunPCiII / SunPCiIIpro
 8000 Psycho PCI Bus Module
 8001 Schizo PCI Bus Module
 8002 Schizo+ PCI Bus Module
 a000 Ultra Ili
 a001 Ultra Iie
 108e a001 Netra AX1105-500
 a801 Tomatillo PCI Bus Module
 abba
 Cassini 10/100/1000
 108f Systemsoft
 1090 Compro Computer Services, Inc.
 1091 Intergraph Corporation
 0020 3D graphics processor
 0021 3D graphics processor w/Texturing
 0040 3D graphics frame buffer
 0041 3D graphics frame buffer

0060 Proprietary bus bridge
00e4 Powerstorm 4D50T
0720 Motion JPEG codec
07a0 Sun Expert3D-Lite Graphics Accelerator
1091 Sun Expert3D Graphics Accelerator
1092 Diamond Multimedia Systems
00a0 Speedstar Pro SE
00a8 Speedstar 64
0550 Viper V550
08d4 Supra 2260 Modem
094c SupraExpress 56i Pro
1092 Viper V330
6120 Maximum DVD
8810 Stealth SE
8811 Stealth 64/SE
8880 Stealth
8881 Stealth
88b0 Stealth 64
88b1 Stealth 64
88c0 Stealth 64
88c1 Stealth 64
88d0 Stealth 64
88d1 Stealth 64
88f0 Stealth 64
88f1 Stealth 64
9999 DMD-I0928-1 "Monster sound" sound chip
1093 National Instruments
0160 PCI-DIO-96
0162 PCI-MIO-16XE-50
1150 PCI-DIO-32HS High Speed Digital I/O Board
1170 PCI-MIO-16XE-10
1180 PCI-MIO-16E-1
1190
PCI-MIO-16E-4
1310 PCI-6602
1330 PCI-6031E
1350 PCI-6071E
14e0 PCI-6110
14f0 PCI-6111
17d0 PCI-6503
1870 PCI-6713
1880 PCI-6711
18b0 PCI-6052E
2410 PCI-6733
2890 PCI-6036E
2a60 PCI-6023E
2a70 PCI-6024E
2a80 PCI-6025E

2c80 PCI-6035E
 2ca0 PCI-6034E
 70a9 PCI-6528 (Digital I/O at 60V)
 70b8 PCI-6251 [M Series - High Speed Multifunction DAQ]
 b001 IMAQ-PCI-1408
 b011 IMAQ-PXI-1408
 b021 IMAQ-PCI-1424
 b031 IMAQ-PCI-1413
 b041 IMAQ-PCI-1407
 b051 IMAQ-PXI-1407
 b061 IMAQ-PCI-1411
 b071 IMAQ-PCI-1422
 b081 IMAQ-PXI-1422
 b091 IMAQ-PXI-1411
 c801 PCI-GPIB
 c831 PCI-GPIB bridge
 1094 First International Computers [FIC]
 # nee CMD Technology Inc
 1095 Silicon Image, Inc.
 0240 Adaptec AAR-1210SA SATA HostRAID Controller
 0640 PCI0640
 0643 PCI0643
 0646 PCI0646
 0647 PCI0647
 0648 PCI0648
 1043 8025 CUBX motherboard
 0649 SiI 0649 Ultra ATA/100 PCI to ATA Host Controller
 0e11 005d Integrated Ultra ATA-100 Dual Channel Controller
 0e11
 007e Integrated Ultra ATA-100 IDE RAID Controller
 101e 0649 AMI MegaRAID IDE 100 Controller
 0650 PBC0650A
 0670 USB0670
 1095 0670 USB0670
 0673 USB0673
 0680 PCI0680 Ultra ATA-133 Host Controller
 1095 3680 Winic W-680 (Silicon Image 680 based)
 3112 SiI 3112 [SATALink/SATAraid] Serial ATA Controller
 1095 3112 SiI 3112 SATALink Controller
 1095 6112 SiI 3112 SATAraid Controller
 9005 0250 SATAConnect 1205SA Host Controller
 3114 SiI 3114 [SATALink/SATAraid] Serial ATA Controller
 1095 3114 SiI 3114 SATALink Controller
 1095 6114 SiI 3114 SATAraid Controller
 3124 SiI 3124 PCI-X Serial ATA Controller
 1095 3124 SiI 3124 PCI-X Serial ATA Controller
 3132 SiI 3132 Serial ATA Raid II Controller
 3512 SiI 3512 [SATALink/SATAraid] Serial ATA Controller

1095 3512 SiI 3512 SATALink Controller
 1095 6512 SiI 3512 SATARaid Controller
 1096 Alacron
 1097 Appian Technology
 1098 Quantum Designs (H.K.) Ltd
 0001 QD-8500
 0002 QD-8580
 1099 Samsung
 Electronics Co., Ltd
 109a Packard Bell
 109b Gemlight Computer Ltd.
 109c Megachips Corporation
 109d Zida Technologies Ltd.
 109e Brooktree Corporation
 032e Bt878 Video Capture
 0350 Bt848 Video Capture
 0351 Bt849A Video capture
 0369 Bt878 Video Capture
 1002 0001 TV-Wonder
 1002 0003 TV-Wonder/VE
 036c Bt879(??) Video Capture
 13e9 0070 Win/TV (Video Section)
 036e Bt878 Video Capture
 0070 13eb WinTV Series
 0070 ff01 Viewcast Osprey 200
 0071 0101 DigiTV PCI
 107d 6606 WinFast TV 2000
 11bd 0012 PCTV pro (TV + FM stereo receiver)
 11bd 001c PCTV Sat (DBC receiver)
 127a 0001 Bt878 Mediastream Controller NTSC
 127a 0002 Bt878 Mediastream Controller PAL BG
 127a 0003 Bt878a Mediastream Controller PAL BG
 127a 0048 Bt878/832 Mediastream Controller
 144f 3000 MagicTView CPH060 - Video
 1461 0002 TV98 Series (TV/No FM/Remote)
 1461 0003 AverMedia UltraTV PCI 350
 1461 0004 AVerTV WDM Video Capture
 1461 0761 AVerTV DVB-T
 1461 0771 AverMedia
 AVerTV DVB-T 771
 14f1 0001 Bt878 Mediastream Controller NTSC
 14f1 0002 Bt878 Mediastream Controller PAL BG
 14f1 0003 Bt878a Mediastream Controller PAL BG
 14f1 0048 Bt878/832 Mediastream Controller
 1822 0001 VisionPlus DVB card
 1851 1850 FlyVideo'98 - Video
 1851 1851 FlyVideo II
 1852 1852 FlyVideo'98 - Video (with FM Tuner)

18ac d500 DViCO FusionHDTV5 Lite
 270f fc00 Digitop DTT-1000
 bd11 1200 PCTV pro (TV + FM stereo receiver)
 036f Bt879 Video Capture
 127a 0044 Bt879 Video Capture NTSC
 127a 0122 Bt879 Video Capture PAL I
 127a 0144 Bt879 Video Capture NTSC
 127a 0222 Bt879 Video Capture PAL BG
 127a 0244 Bt879a Video Capture NTSC
 127a 0322 Bt879 Video Capture NTSC
 127a 0422 Bt879 Video Capture NTSC
 127a 1122 Bt879 Video Capture PAL I
 127a 1222 Bt879 Video Capture PAL BG
 127a 1322 Bt879 Video Capture NTSC
 127a 1522 Bt879a Video Capture PAL I
 127a 1622 Bt879a Video Capture PAL BG
 127a 1722 Bt879a Video Capture NTSC
 14f1
 0044 Bt879 Video Capture NTSC
 14f1 0122 Bt879 Video Capture PAL I
 14f1 0144 Bt879 Video Capture NTSC
 14f1 0222 Bt879 Video Capture PAL BG
 14f1 0244 Bt879a Video Capture NTSC
 14f1 0322 Bt879 Video Capture NTSC
 14f1 0422 Bt879 Video Capture NTSC
 14f1 1122 Bt879 Video Capture PAL I
 14f1 1222 Bt879 Video Capture PAL BG
 14f1 1322 Bt879 Video Capture NTSC
 14f1 1522 Bt879a Video Capture PAL I
 14f1 1622 Bt879a Video Capture PAL BG
 14f1 1722 Bt879a Video Capture NTSC
 1851 1850 FlyVideo'98 - Video
 1851 1851 FlyVideo II
 1852 1852 FlyVideo'98 - Video (with FM Tuner)
 0370 Bt880 Video Capture
 1851 1850 FlyVideo'98
 1851 1851 FlyVideo'98 EZ - video
 1852 1852 FlyVideo'98 (with FM Tuner)
 0878 Bt878 Audio Capture
 0070 13eb WinTV Series
 0070 ff01 Viewcast Osprey 200
 0071 0101 DigiTV PCI
 1002 0001 TV-Wonder
 1002 0003 TV-Wonder/VE
 11bd 0012 PCTV pro (TV + FM stereo receiver, audio section)
 11bd 001c PCTV Sat (DBC receiver)
 127a

0001 Bt878 Video Capture (Audio Section)
 127a 0002 Bt878 Video Capture (Audio Section)
 127a 0003 Bt878 Video Capture (Audio Section)
 127a 0048 Bt878 Video Capture (Audio Section)
 13e9 0070 Win/TV (Audio Section)
 144f 3000 MagicTVView CPH060 - Audio
 1461 0002 Avermedia PCTV98 Audio Capture
 1461 0003 UltraTV PCI 350
 1461 0004 AVerTV WDM Audio Capture
 1461 0761 AVerTV DVB-T
 1461 0771 AverMedia AVerTV DVB-T 771
 14f1 0001 Bt878 Video Capture (Audio Section)
 14f1 0002 Bt878 Video Capture (Audio Section)
 14f1 0003 Bt878 Video Capture (Audio Section)
 14f1 0048 Bt878 Video Capture (Audio Section)
 1822 0001 VisionPlus DVB Card
 18ac d500 DViCO FusionHDTV5 Lite
 270f fc00 Digitop DTT-1000
 bd11 1200 PCTV pro (TV + FM stereo receiver, audio section)
 0879 Bt879 Audio Capture
 127a 0044 Bt879 Video Capture (Audio Section)
 127a 0122 Bt879 Video Capture (Audio Section)
 127a 0144 Bt879 Video Capture (Audio Section)
 127a 0222 Bt879
 Video Capture (Audio Section)
 127a 0244 Bt879 Video Capture (Audio Section)
 127a 0322 Bt879 Video Capture (Audio Section)
 127a 0422 Bt879 Video Capture (Audio Section)
 127a 1122 Bt879 Video Capture (Audio Section)
 127a 1222 Bt879 Video Capture (Audio Section)
 127a 1322 Bt879 Video Capture (Audio Section)
 127a 1522 Bt879 Video Capture (Audio Section)
 127a 1622 Bt879 Video Capture (Audio Section)
 127a 1722 Bt879 Video Capture (Audio Section)
 14f1 0044 Bt879 Video Capture (Audio Section)
 14f1 0122 Bt879 Video Capture (Audio Section)
 14f1 0144 Bt879 Video Capture (Audio Section)
 14f1 0222 Bt879 Video Capture (Audio Section)
 14f1 0244 Bt879 Video Capture (Audio Section)
 14f1 0322 Bt879 Video Capture (Audio Section)
 14f1 0422 Bt879 Video Capture (Audio Section)
 14f1 1122 Bt879 Video Capture (Audio Section)
 14f1 1222 Bt879 Video Capture (Audio Section)
 14f1 1322 Bt879 Video Capture (Audio Section)
 14f1 1522 Bt879 Video Capture (Audio
 Section)
 14f1 1622 Bt879 Video Capture (Audio Section)
 14f1 1722 Bt879 Video Capture (Audio Section)

0880 Bt880 Audio Capture
2115 BtV 2115 Mediastream controller
2125 BtV 2125 Mediastream controller
2164 BtV 2164
2165 BtV 2165
8230 Bt8230 ATM Segment/Reassembly Ctrlr (SRC)
8472 Bt8472
8474 Bt8474
109f Trigem Computer Inc.
10a0 Meidensha Corporation
10a1 Juko Electronics Ind. Co. Ltd
10a2 Quantum Corporation
10a3 Everex Systems Inc
10a4 Globe Manufacturing Sales
10a5 Smart Link Ltd.
3052 SmartPCI562 56K Modem
5449 SmartPCI561 modem
10a6 Informtech Industrial Ltd.
10a7 Benchmarq Microelectronics
10a8 Sierra Semiconductor
0000 STB Horizon 64
10a9 Silicon Graphics, Inc.
0001 Crosstalk to PCI Bridge
0002 Linc I/O controller
0003 IOC3 I/O controller
0004 O2 MACE
0005 RAD Audio
0006 HPCEX
0007 RPCEX
0008 DiVO VIP
0009 AceNIC Gigabit Ethernet
10a9 8002 AceNIC Gigabit Ethernet
0010 AMP Video I/O
0011 GRIP
0012 SGH PSHAC GSN
1001
Magic Carpet
1002 Lithium
1003 Dual JPEG 1
1004 Dual JPEG 2
1005 Dual JPEG 3
1006 Dual JPEG 4
1007 Dual JPEG 5
1008 Cesium
100a IOC4 I/O controller
2001 Fibre Channel
2002 ASDE
4001 TIO-CE PCI Express Bridge

4002 TIO-CE PCI Express Port
 8001 O2 1394
 8002 G-net NT
 8010 Broadcom e-net [SGI IO9/IO10 BaseIO]
 8018 Broadcom e-net [SGI A330 Server BaseIO]
 10aa ACC Microelectronics
 0000 ACCM 2188
 10ab Digicom
 10ac Honeywell IAC
 10ad Symphony Labs
 0001 W83769F
 0003 SL82C103
 0005 SL82C105
 0103 SL82c103
 0105 SL82c105
 0565 W83C553
 10ae Cornerstone Technology
 10af Micro Computer Systems Inc
 10b0 CardExpert Technology
 10b1 Cabletron Systems Inc
 10b2 Raytheon Company
 10b3 Databook Inc
 3106 DB87144
 b106 DB87144
 10b4 STB Systems Inc
 1b1d Velocity 128 3D
 10b4 237e Velocity 4400
 10b5 PLX Technology, Inc.
 0001 i960 PCI bus interface
 1042 Brandywine / jxi2, Inc. - PMC-SyncClock32, IRIG A & B, Nasa 36
 1076 VScom 800 8 port serial
 adaptor
 1077 VScom 400 4 port serial adaptor
 1078 VScom 210 2 port serial and 1 port parallel adaptor
 1103 VScom 200 2 port serial adaptor
 1146 VScom 010 1 port parallel adaptor
 1147 VScom 020 2 port parallel adaptor
 2540 IXXAT CAN-Interface PC-I 04/PCI
 2724 Thales PCSM Security Card
 6520 PCI6520 PCI-X to PCI-X bridge
 6540 PCI6540/6466 PCI-PCI bridge (transparent mode)
 1775 1100 CR11 Single Board Computer
 4c53 10e0 PSL09 PrPMC
 6541 PCI6540/6466 PCI-PCI bridge (non-transparent mode, primary side)
 1775 1100 CR11 Single Board Computer
 4c53 10e0 PSL09 PrPMC
 6542 PCI6540/6466 PCI-PCI bridge (non-transparent mode, secondary side)
 1775 1100 CR11 Single Board Computer

4c53 10e0 PSL09 PrPMC
 8111 PEX 8111 PCI Express-to-PCI Bridge
 8114 PEX 8114 PCI Express-to-PCI/PCI-X Bridge
 8516 PEX 8516 Versatile PCI Express Switch
 8532 PEX 8532 Versatile PCI Express Switch
 9030 PCI <-> IOBus Bridge Hot Swap
 10b5 2862 Alpermann+Velte PCL PCI LV (3V/5V):
 Timecode Reader Board
 10b5 2906 Alpermann+Velte PCI TS (3V/5V): Time Synchronisation Board
 10b5 2940 Alpermann+Velte PCL PCI D (3V/5V): Timecode Reader Board
 10b5 2977 IXXAT iPC-I XC16/PCI CAN Board
 10b5 2978 SH ARC-PCiU SOHARD ARCNET card
 10b5 3025 Alpermann+Velte PCL PCI L (3V/5V): Timecode Reader Board
 10b5 3068 Alpermann+Velte PCL PCI HD (3V/5V): Timecode Reader Board
 12fe 0111 CPCI-ASIO4 (ESD 4-port Serial Interface Board)
 1397 3136 4xS0-ISDN PCI Adapter
 1397 3137 S2M-E1-ISDN PCI Adapter
 1518 0200 Kontron ThinkIO-C
 15ed 1002 MCCA 8-port Serial Hot Swap
 15ed 1003 MCCA 16-port Serial Hot Swap
 9036 9036
 9050 PCI <-> IOBus Bridge
 10b5 1067 IXXAT CAN i165
 10b5 1172 IK220 (Heidenhain)
 10b5 2036 SatPak GPS
 10b5 2221 Alpermann+Velte PCL PCI LV: Timecode Reader Board
 10b5 2273 SH ARC-PCI SOHARD ARCNET card
 10b5 2431 Alpermann+Velte PCL PCI D: Timecode Reader Board
 10b5 2905 Alpermann+Velte PCI TS: Time Synchronisation Board
 10b5
 9050 PCI-I04 PCI Passive PC/CAN Interface
 1498 0362 TPMC866 8 Channel Serial Card
 1522 0001 RockForce 4 Port V.90 Data/Fax/Voice Modem
 1522 0002 RockForce 2 Port V.90 Data/Fax/Voice Modem
 1522 0003 RockForce 6 Port V.90 Data/Fax/Voice Modem
 1522 0004 RockForce 8 Port V.90 Data/Fax/Voice Modem
 1522 0010 RockForce2000 4 Port V.90 Data/Fax/Voice Modem
 1522 0020 RockForce2000 2 Port V.90 Data/Fax/Voice Modem
 15ed 1000 Macrolink MCCA 8-port Serial
 15ed 1001 Macrolink MCCA 16-port Serial
 15ed 1002 Macrolink MCCA 8-port Serial Hot Swap
 15ed 1003 Macrolink MCCA 16-port Serial Hot Swap
 5654 2036 OpenSwitch 6 Telephony card
 5654 3132 OpenSwitch 12 Telephony card
 5654 5634 OpenLine4 Telephony Card
 d531 c002 PCIntelliCAN 2xSJA1000 CAN bus
 d84d 4006 EX-4006 1P
 d84d 4008 EX-4008 1P EPP/ECP

d84d 4014 EX-4014 2P
d84d 4018 EX-4018 3P EPP/ECP
d84d 4025 EX-4025 1S(16C550) RS-232
d84d 4027 EX-4027 1S(16C650) RS-232
d84d 4028 EX-4028 1S(16C850)
RS-232
d84d 4036 EX-4036 2S(16C650) RS-232
d84d 4037 EX-4037 2S(16C650) RS-232
d84d 4038 EX-4038 2S(16C850) RS-232
d84d 4052 EX-4052 1S(16C550) RS-422/485
d84d 4053 EX-4053 2S(16C550) RS-422/485
d84d 4055 EX-4055 4S(16C550) RS-232
d84d 4058 EX-4055 4S(16C650) RS-232
d84d 4065 EX-4065 8S(16C550) RS-232
d84d 4068 EX-4068 8S(16C650) RS-232
d84d 4078 EX-4078 2S(16C552) RS-232+1P
9054 PCI <-> IOBus Bridge
10b5 2455 Wessex Technology PHIL-PCI
10b5 2696 Innes Corp AM Radcap card
10b5 2717 Innes Corp Auricon card
10b5 2844 Innes Corp TVS Encoder card
12c7 4001 Intel Dialogic DM/V960-4T1 PCI
12d9 0002 PCI Prosody Card rev 1.5
14b4 d100 Dektec DTA-100
14b4 d114 Dektec DTA-120
16df 0011 PIKA PrimeNet MM PCI
16df 0012 PIKA PrimeNet MM cPCI 8
16df 0013 PIKA PrimeNet MM cPCI 8 (without CAS Signaling)
16df 0014 PIKA PrimeNet MM cPCI 4
16df 0015 PIKA Daytona MM
16df 0016 PIKA InLine MM
9056 9056 PCI I/O Accelerator
10b5
2979 CellinkBlade 11 - CPCI board VoATM AAL1
14b4 d140 Dektec DTA-140
9060 9060
906d 9060SD
125c 0640 Aries 16000P
906e 9060ES
9080 9080
103c 10eb (Agilent) E2777B 83K Series Optical Communication Interface
103c 10ec (Agilent) E6978-66442 PCI CIC
10b5 1123 Sectra KK631 encryption board
10b5 9080 9080 [real subsystem ID not set]
129d 0002 Aculab PCI Prosidy card
12d9 0002 PCI Prosody Card
12df 4422 4422PCI ["Do-All" Telemetry Data Aquisition System]
1517 000b ECSG-1R3ADC-PMC Clock synthesizer

9656 PCI <-> IOBus Bridge
 1517 000f ECDR-GC314-PMC Receiver
 1885 0700 Tsunami FPGA PMC with Altera Stratix S40
 1885 0701 Tsunami FPGA PMC with Altera Stratix S30
 bb04 B&B 3PCIOSD1A Isolated PCI Serial
 c001 CronyxOmega-PCI (8-port RS232)
 10b6 Madge Networks
 0001 Smart 16/4 PCI Ringnode
 0002 Smart 16/4 PCI Ringnode Mk2
 10b6 0002 Smart 16/4 PCI Ringnode Mk2
 10b6 0006 16/4 CardBus Adapter
 0003 Smart 16/4 PCI Ringnode Mk3
 0e11 b0fd
 Compaq NC4621 PCI, 4/16, WOL
 10b6 0003 Smart 16/4 PCI Ringnode Mk3
 10b6 0007 Presto PCI Plus Adapter
 0004 Smart 16/4 PCI Ringnode Mk1
 0006 16/4 Cardbus Adapter
 10b6 0006 16/4 CardBus Adapter
 0007 Presto PCI Adapter
 10b6 0007 Presto PCI
 0009 Smart 100/16/4 PCI-HS Ringnode
 10b6 0009 Smart 100/16/4 PCI-HS Ringnode
 000a Smart 100/16/4 PCI Ringnode
 10b6 000a Smart 100/16/4 PCI Ringnode
 000b 16/4 CardBus Adapter Mk2
 10b6 0008 16/4 CardBus Adapter Mk2
 10b6 000b 16/4 Cardbus Adapter Mk2
 000c RapidFire 3140V2 16/4 TR Adapter
 10b6 000c RapidFire 3140V2 16/4 TR Adapter
 1000 Collage 25/155 ATM Client Adapter
 1001 Collage 155 ATM Server Adapter
 10b7 3Com Corporation
 0001 3c985 1000BaseSX (SX/TX)
 0013 AR5212 802.11abg NIC (3CRDAG675)
 10b7 2031 3CRDAG675 11a/b/g Wireless PCI Adapter
 0910 3C910-A01
 1006 MINI PCI type 3B Data Fax Modem
 1007 Mini PCI 56k Winmodem
 10b7 615b Mini PCI 56K Modem
 10b7 615c Mini PCI 56K Modem
 1201 3c982-TXM 10/100baseTX
 Dual Port A [Hydra]
 1202 3c982-TXM 10/100baseTX Dual Port B [Hydra]
 1700 3c940 10/100/1000Base-T [Marvell]
 1043 80eb A7V600/P4P800/K8V motherboard
 10b7 0010 3C940 Gigabit LOM Ethernet Adapter
 10b7 0020 3C941 Gigabit LOM Ethernet Adapter

147b 1407 KV8-MAX3 motherboard
 3390 3c339 TokenLink Velocity
 3590 3c359 TokenLink Velocity XL
 10b7 3590 TokenLink Velocity XL Adapter (3C359/359B)
 4500 3c450 HomePNA [Tornado]
 5055 3c555 Laptop Hurricane
 5057 3c575 Megahertz 10/100 LAN CardBus [Boomerang]
 10b7 5a57 3C575 Megahertz 10/100 LAN Cardbus PC Card
 5157 3cCFE575BT Megahertz 10/100 LAN CardBus [Cyclone]
 10b7 5b57 3C575 Megahertz 10/100 LAN Cardbus PC Card
 5257 3cCFE575CT CardBus [Cyclone]
 10b7 5c57 FE575C-3Com 10/100 LAN CardBus-Fast Ethernet
 5900 3c590 10BaseT [Vortex]
 5920 3c592 EISA 10mbps Demon/Vortex
 5950 3c595 100BaseTX [Vortex]
 5951 3c595 100BaseT4 [Vortex]
 5952 3c595 100Base-MII [Vortex]
 5970 3c597 EISA Fast Demon/Vortex
 5b57
 3c595 Megahertz 10/100 LAN CardBus [Boomerang]
 10b7 5b57 3C575 Megahertz 10/100 LAN Cardbus PC Card
 6000 3CRSHPW796 [OfficeConnect Wireless CardBus]
 6001 3com 3CRWE154G72 [Office Connect Wireless LAN Adapter]
 6055 3c556 Hurricane CardBus [Cyclone]
 6056 3c556B CardBus [Tornado]
 10b7 6556 10/100 Mini PCI Ethernet Adapter
 6560 3cCFE656 CardBus [Cyclone]
 10b7 656a 3CCFEM656 10/100 LAN+56K Modem CardBus
 6561 3cCFEM656 10/100 LAN+56K Modem CardBus
 10b7 656b 3CCFEM656 10/100 LAN+56K Modem CardBus
 6562 3cCFEM656B 10/100 LAN+Winmodem CardBus [Cyclone]
 10b7 656b 3CCFEM656B 10/100 LAN+56K Modem CardBus
 6563 3cCFEM656B 10/100 LAN+56K Modem CardBus
 10b7 656b 3CCFEM656 10/100 LAN+56K Modem CardBus
 6564 3cXFEM656C 10/100 LAN+Winmodem CardBus [Tornado]
 7646 3cSOHO100-TX Hurricane
 7770 3CRWE777 PCI(PLX) Wireless Adaptor [Airconnect]
 7940 3c803 FDDILink UTP Controller
 7980 3c804 FDDILink SAS Controller
 7990 3c805 FDDILink DAS Controller
 80eb 3c940B 10/100/1000Base-T
 8811
 Token ring
 9000 3c900 10BaseT [Boomerang]
 9001 3c900 10Mbps Combo [Boomerang]
 9004 3c900B-TPO Etherlink XL [Cyclone]
 10b7 9004 3C900B-TPO Etherlink XL TPO 10Mb
 9005 3c900B-Combo Etherlink XL [Cyclone]

10b7 9005 3C900B-Combo Etherlink XL Combo
 9006 3c900B-TPC Etherlink XL [Cyclone]
 900a 3c900B-FL 10base-FL [Cyclone]
 9050 3c905 100BaseTX [Boomerang]
 9051 3c905 100BaseT4 [Boomerang]
 9054 3C905B-TX Fast Etherlink XL PCI
 10b7 9054 3C905B-TX Fast Etherlink XL PCI
 9055 3c905B 100BaseTX [Cyclone]
 1028 0080 3C905B Fast Etherlink XL 10/100
 1028 0081 3C905B Fast Etherlink XL 10/100
 1028 0082 3C905B Fast Etherlink XL 10/100
 1028 0083 3C905B Fast Etherlink XL 10/100
 1028 0084 3C905B Fast Etherlink XL 10/100
 1028 0085 3C905B Fast Etherlink XL 10/100
 1028 0086 3C905B Fast Etherlink XL 10/100
 1028 0087 3C905B Fast Etherlink XL 10/100
 1028 0088 3C905B Fast Etherlink XL 10/100
 1028 0089 3C905B Fast Etherlink XL 10/100
 1028
 0090 3C905B Fast Etherlink XL 10/100
 1028 0091 3C905B Fast Etherlink XL 10/100
 1028 0092 3C905B Fast Etherlink XL 10/100
 1028 0093 3C905B Fast Etherlink XL 10/100
 1028 0094 3C905B Fast Etherlink XL 10/100
 1028 0095 3C905B Fast Etherlink XL 10/100
 1028 0096 3C905B Fast Etherlink XL 10/100
 1028 0097 3C905B Fast Etherlink XL 10/100
 1028 0098 3C905B Fast Etherlink XL 10/100
 1028 0099 3C905B Fast Etherlink XL 10/100
 10b7 9055 3C905B Fast Etherlink XL 10/100
 9056 3c905B-T4 Fast EtherLink XL [Cyclone]
 9058 3c905B Deluxe Etherlink 10/100/BNC [Cyclone]
 905a 3c905B-FX Fast Etherlink XL FX 100baseFx [Cyclone]
 9200 3c905C-TX/TX-M [Tornado]
 1028 0095 3C920 Integrated Fast Ethernet Controller
 1028 0097 3C920 Integrated Fast Ethernet Controller
 1028 00b4 OptiPlex GX110
 1028 00fe Optiplex GX240
 1028 012a 3C920 Integrated Fast Ethernet Controller [Latitude C640]
 10b7 1000 3C905CX-TX/TX-M Fast Etherlink for PC Management NIC
 10b7 7000 10/100
 Mini PCI Ethernet Adapter
 10f1 2466 Tiger MPX S2466 (3C920 Integrated Fast Ethernet Controller)
 9201 3C920B-EMB Integrated Fast Ethernet Controller [Tornado]
 1043 80ab A7N8X Deluxe onboard 3C920B-EMB Integrated Fast Ethernet Controller
 9202 3Com 3C920B-EMB-WNM Integrated Fast Ethernet Controller
 9210 3C920B-EMB-WNM Integrated Fast Ethernet Controller
 9300 3CSOHO100B-TX 910-A01 [tulip]

9800 3c980-TX Fast Etherlink XL Server Adapter [Cyclone]
 10b7 9800 3c980-TX Fast Etherlink XL Server Adapter
 9805 3c980-C 10/100baseTX NIC [Python-T]
 10b7 1201 EtherLink Server 10/100 Dual Port A
 10b7 1202 EtherLink Server 10/100 Dual Port B
 10b7 9805 3c980 10/100baseTX NIC [Python-T]
 10f1 2462 Thunder K7 S2462
 9900 3C990-TX [Typhoon]
 9902 3CR990-TX-95 [Typhoon 56-bit]
 9903 3CR990-TX-97 [Typhoon 168-bit]
 9904 3C990B-TX-M/3C990BSVR [Typhoon2]
 10b7 1000 3CR990B-TX-M [Typhoon2]
 10b7 2000 3CR990BSVR [Typhoon2 Server]
 9905 3CR990-FX-95/97/95 [Typhon Fiber]
 10b7
 1101 3CR990-FX-95 [Typhoon Fiber 56-bit]
 10b7 1102 3CR990-FX-97 [Typhoon Fiber 168-bit]
 10b7 2101 3CR990-FX-95 Server [Typhoon Fiber 56-bit]
 10b7 2102 3CR990-FX-97 Server [Typhoon Fiber 168-bit]
 9908 3CR990SVR95 [Typhoon Server 56-bit]
 9909 3CR990SVR97 [Typhoon Server 168-bit]
 990a 3C990SVR [Typhoon Server]
 990b 3C990SVR [Typhoon Server]
 10b8 Standard Microsystems Corp [SMC]
 0005 83c170 EPIC/100 Fast Ethernet Adapter
 1055 e000 LANEPIC 10/100 [EVB171Q-PCI]
 1055 e002 LANEPIC 10/100 [EVB171G-PCI]
 10b8 a011 EtherPower II 10/100
 10b8 a014 EtherPower II 10/100
 10b8 a015 EtherPower II 10/100
 10b8 a016 EtherPower II 10/100
 10b8 a017 EtherPower II 10/100
 0006 83c175 EPIC/100 Fast Ethernet Adapter
 1055 e100 LANEPIC Cardbus Fast Ethernet Adapter
 1055 e102 LANEPIC Cardbus Fast Ethernet Adapter
 1055 e300 LANEPIC Cardbus Fast Ethernet Adapter
 1055 e302 LANEPIC Cardbus Fast Ethernet Adapter
 10b8 a012 LANEPIC Cardbus Fast Ethernet Adapter
 13a2
 8002 LANEPIC Cardbus Fast Ethernet Adapter
 13a2 8006 LANEPIC Cardbus Fast Ethernet Adapter
 1000 FDC 37c665
 1001 FDC 37C922
 2802 SMC2802W [EZ Connect g]
 a011 83C170QF
 b106 SMC34C90
 10b9 ALi Corporation
 0101 CMI8338/C3DX PCI Audio Device

0111 C-Media CMI8738/C3DX Audio Device (OEM)
 10b9 0111 C-Media CMI8738/C3DX Audio Device (OEM)
 0780 Multi-IO Card
 0782 Multi-IO Card
 1435 M1435
 1445 M1445
 1449 M1449
 1451 M1451
 1461 M1461
 1489 M1489
 1511 M1511 [Aladdin]
 1512 M1512 [Aladdin]
 1513 M1513 [Aladdin]
 1521 M1521 [Aladdin III]
 10b9 1521 ALI M1521 Aladdin III CPU Bridge
 1523 M1523
 10b9 1523 ALI M1523 ISA Bridge
 1531 M1531 [Aladdin IV]
 1533 M1533/M1535 PCI to ISA Bridge [Aladdin IV/V/V+]
 1014 053b ThinkPad R40e (2684-HVG) PCI to ISA Bridge
 10b9 1533 ALi M1533 Aladdin IV/V ISA Bridge
 1541 M1541
 10b9 1541 ALI M1541 Aladdin V/V+ AGP System Controller
 1543 M1543
 1563 M1563 HyperTransport South Bridge
 1573 PCI to LPC Controller
 1621
 M1621
 1631 ALI M1631 PCI North Bridge Aladdin Pro III
 1632 M1632M Northbridge+Trident
 1641 ALI M1641 PCI North Bridge Aladdin Pro IV
 1644 M1644/M1644T Northbridge+Trident
 1646 M1646 Northbridge+Trident
 1647 M1647 Northbridge [MAGiK 1 / MobileMAGiK 1]
 1651 M1651/M1651T Northbridge [Aladdin-Pro 5/5M,Aladdin-Pro 5T/5TM]
 1671 M1671 Super P4 Northbridge [AGP4X,PCI and SDR/DDR]
 1672 M1672 Northbridge [CyberALADDiN-P4]
 1681 M1681 P4 Northbridge [AGP8X,HypertTransport and SDR/DDR]
 1687 M1687 K8 Northbridge [AGP8X and HyperTransport]
 1689 M1689 K8 Northbridge [Super K8 Single Chip]
 1695 M1695 K8 Northbridge [PCI Express and HyperTransport]
 1697 M1697 HTT Host Bridge
 3141 M3141
 3143 M3143
 3145 M3145
 3147 M3147
 3149 M3149
 3151 M3151

3307 M3307
 3309 M3309
 3323 M3325 Video/Audio Decoder
 5212 M4803
 5215 MS4803
 5217 M5217H
 5219 M5219
 5225 M5225
 5228 M5228 ALi ATA/RAID Controller
 5229 M5229 IDE
 1014 050f ThinkPad R30
 1014 053d
 ThinkPad R40e (2684-HVG) builtin IDE
 103c 0024 Pavilion ze4400 builtin IDE
 1043 8053 A7A266 Motherboard IDE
 1849 5229 ASRock 939Dual-SATA2 Motherboard IDE (PATA)
 5235 M5225
 5237 USB 1.1 Controller
 1014 0540 ThinkPad R40e (2684-HVG) builtin USB
 103c 0024 Pavilion ze4400 builtin USB
 104d 810f VAIO PCG-U1 USB/OHCI Revision 1.0
 5239 USB 2.0 Controller
 5243 M1541 PCI to AGP Controller
 5246 AGP8X Controller
 5247 PCI to AGP Controller
 5249 M5249 HTT to PCI Bridge
 524b PCI Express Root Port
 524c PCI Express Root Port
 524d PCI Express Root Port
 524e PCI Express Root Port
 5251 M5251 P1394 OHCI 1.0 Controller
 5253 M5253 P1394 OHCI 1.1 Controller
 5261 M5261 Ethernet Controller
 5263 ULi 1689,1573 integrated ethernet.
 5281 ALi M5281 Serial ATA / RAID Host Controller
 5287 ULi 5287 SATA
 5288 ULi M5288 SATA
 5289 ULi 5289 SATA
 5450 Lucent Technologies Soft Modem AMR
 5451 M5451 PCI AC-Link Controller Audio Device
 1014 0506 ThinkPad R30
 1014
 053e ThinkPad R40e (2684-HVG) builtin Audio
 103c 0024 Pavilion ze4400 builtin Audio
 10b9 5451 HP Compaq nc4010 (DY885AA#ABN)
 5453 M5453 PCI AC-Link Controller Modem Device
 5455 M5455 PCI AC-Link Controller Audio Device
 5457 M5457 AC'97 Modem Controller

1014 0535 ThinkPad R40e (2684-HVG) builtin modem
 103c 0024 Pavilion ze4400 builtin Modem Device
 5459 SmartLink SmartPCI561 56K Modem
 545a SmartLink SmartPCI563 56K Modem
 5461 High Definition Audio/AC'97 Host Controller
 5471 M5471 Memory Stick Controller
 5473 M5473 SD-MMC Controller
 7101 M7101 Power Management Controller [PMU]
 1014 0510 ThinkPad R30
 1014 053c ThinkPad R40e (2684-HVG) Power Management Controller
 103c 0024 Pavilion ze4400
 10ba Mitsubishi Electric Corp.
 0301 AccelGraphics AccelECLIPSE
 0304 AccelGALAXY A2100 [OEM Evans & Sutherland]
 0308 Tornado 3000 [OEM Evans & Sutherland]
 1002 VG500 [VolumePro Volume Rendering Accelerator]
 10bb Dapha Electronics Corporation
 10bc Advanced
 Logic Research
 10bd Surecom Technology
 0e34 NE-34
 10be Tseng Labs International Co.
 10bf Most Inc
 10c0 Boca Research Inc.
 10c1 ICM Co., Ltd.
 10c2 Auspex Systems Inc.
 10c3 Samsung Semiconductors, Inc.
 1100 Smartether100 SC1100 LAN Adapter (i82557B)
 10c4 Award Software International Inc.
 10c5 Xerox Corporation
 10c6 Rambus Inc.
 10c7 Media Vision
 10c8 Neomagic Corporation
 0001 NM2070 [MagicGraph 128]
 0002 NM2090 [MagicGraph 128V]
 0003 NM2093 [MagicGraph 128ZV]
 0004 NM2160 [MagicGraph 128XD]
 1014 00ba MagicGraph 128XD
 1025 1007 MagicGraph 128XD
 1028 0074 MagicGraph 128XD
 1028 0075 MagicGraph 128XD
 1028 007d MagicGraph 128XD
 1028 007e MagicGraph 128XD
 1033 802f MagicGraph 128XD
 104d 801b MagicGraph 128XD
 104d 802f MagicGraph 128XD
 104d 830b MagicGraph 128XD
 10ba 0e00 MagicGraph 128XD

10c8 0004 MagicGraph 128XD
 10cf 1029 MagicGraph 128XD
 10f7 8308 MagicGraph 128XD
 10f7 8309 MagicGraph 128XD
 10f7 830b MagicGraph 128XD
 10f7
 830d MagicGraph 128XD
 10f7 8312 MagicGraph 128XD
 0005 NM2200 [MagicGraph 256AV]
 1014 00dd ThinkPad 570
 1028 0088 Latitude CPi A
 0006 NM2360 [MagicMedia 256ZX]
 0016 NM2380 [MagicMedia 256XL+]
 10c8 0016 MagicMedia 256XL+
 0025 NM2230 [MagicGraph 256AV+]
 0083 NM2093 [MagicGraph 128ZV+]
 8005 NM2200 [MagicMedia 256AV Audio]
 0e11 b0d1 MagicMedia 256AV Audio Device on Discovery
 0e11 b126 MagicMedia 256AV Audio Device on Durango
 1014 00dd MagicMedia 256AV Audio Device on BlackTip Thinkpad
 1025 1003 MagicMedia 256AV Audio Device on TravelMate 720
 1028 0088 Latitude CPi A
 1028 008f MagicMedia 256AV Audio Device on Colorado Inspiron
 103c 0007 MagicMedia 256AV Audio Device on Voyager II
 103c 0008 MagicMedia 256AV Audio Device on Voyager III
 103c 000d MagicMedia 256AV Audio Device on Omnibook 900
 10c8 8005 MagicMedia 256AV Audio Device on FireAnt
 110a 8005 MagicMedia 256AV Audio Device
 14c0 0004 MagicMedia 256AV Audio Device
 8006
 NM2360 [MagicMedia 256ZX Audio]
 8016 NM2380 [MagicMedia 256XL+ Audio]
 10c9 Dataexpert Corporation
 10ca Fujitsu Microelectr., Inc.
 10cb Omron Corporation
 # nee Mentor ARC Inc
 10cc Mai Logic Incorporated
 0660 Articia S Host Bridge
 0661 Articia S PCI Bridge
 10cd Advanced System Products, Inc
 1100 ASC1100
 1200 ASC1200 [(abp940) Fast SCSI-II]
 1300 ABP940-U / ABP960-U
 10cd 1310 ASC1300 SCSI Adapter
 1195 1320 Ultra-SCSI CardBus PC Card REX CB31
 2300 ABP940-UW
 2500 ABP940-U2W
 10ce Radius

nee Citicorp TTI
10cf Fujitsu Limited.
2001 mb86605
10d1 FuturePlus Systems Corp.
10d2 Molex Incorporated
10d3 Jabil Circuit Inc
10d4 Hualon Microelectronics
10d5 Autologic Inc.
10d6 Cetia
10d7 BCM Advanced Research
10d8 Advanced Peripherals Labs
10d9 Macronix, Inc. [MXIC]
0431 MX98715
0512 MX98713
0531 MX987x5
1186 1200 DFE-540TX ProFAST 10/100 Adapter
8625 MX86250
8626 Macronix MX86251 + 3Dfx Voodoo Rush
8888 MX86200
10da Compaq IPG-Austin
0508 TC4048
Token Ring 4/16
3390 Tl3c3x9
10db Rohm LSI Systems, Inc.
10dc CERN/ECP/EDU
0001 STAR/RD24 SCI-PCI (PMC)
0002 TAR/RD24 SCI-PCI (PMC)
0021 HIPPI destination
0022 HIPPI source
10dc ATT2C15-3 FPGA
10dd Evans & Sutherland
0100 Lightning 1200
10de nVidia Corporation
0008 NV1 [EDGE 3D]
0009 NV1 [EDGE 3D]
0010 NV2 [Mutara V08]
0020 NV4 [RIVA TNT]
1043 0200 V3400 TNT
1048 0c18 Erazor II SGRAM
1048 0c19 Erazor II
1048 0c1b Erazor II
1048 0c1c Erazor II
1092 0550 Viper V550
1092 0552 Viper V550
1092 4804 Viper V550
1092 4808 Viper V550
1092 4810 Viper V550
1092 4812 Viper V550

1092 4815 Viper V550
 1092 4820 Viper V550 with TV out
 1092 4822 Viper V550
 1092 4904 Viper V550
 1092 4914 Viper V550
 1092 8225 Viper V550
 10b4 273d Velocity 4400
 10b4 273e Velocity 4400
 10b4 2740 Velocity 4400
 10de 0020 Riva TNT
 1102 1015 Graphics Blaster CT6710
 1102 1016 Graphics Blaster RIVA TNT
 0028 NV5 [RIVA TNT2/TNT2 Pro]
 1043
 0200 AGP-V3800 SGRAM
 1043 0201 AGP-V3800 SDRAM
 1043 0205 PCI-V3800
 1043 4000 AGP-V3800PRO
 1048 0c21 Synergy II
 1048 0c28 Erazor III
 1048 0c29 Erazor III
 1048 0c2a Erazor III
 1048 0c2b Erazor III
 1048 0c31 Erazor III Pro
 1048 0c32 Erazor III Pro
 1048 0c33 Erazor III Pro
 1048 0c34 Erazor III Pro
 107d 2134 WinFast 3D S320 II + TV-Out
 1092 4804 Viper V770
 1092 4a00 Viper V770
 1092 4a02 Viper V770 Ultra
 1092 5a00 RIVA TNT2/TNT2 Pro
 1092 6a02 Viper V770 Ultra
 1092 7a02 Viper V770 Ultra
 10de 0005 RIVA TNT2 Pro
 10de 000f Compaq NVIDIA TNT2 Pro
 1102 1020 3D Blaster RIVA TNT2
 1102 1026 3D Blaster RIVA TNT2 Digital
 14af 5810 Maxi Gamer Xentor
 0029 NV5 [RIVA TNT2 Ultra]
 1043 0200 AGP-V3800 Deluxe
 1043 0201 AGP-V3800 Ultra SDRAM
 1043 0205 PCI-V3800 Ultra
 1048 0c2e Erazor III Ultra
 1048 0c2f Erazor III Ultra
 1048 0c30 Erazor III Ultra
 1102 1021 3D Blaster RIVA TNT2 Ultra
 1102 1029 3D Blaster RIVA

TNT2 Ultra
 1102 102f 3D Blaster RIVA TNT2 Ultra
 14af 5820 Maxi Gamer Xentor 32
 002a NV5 [Riva TNT2]
 002b NV5 [Riva TNT2]
 002c NV6 [Vanta/Vanta LT]
 1043 0200 AGP-V3800 Combat SDRAM
 1043 0201 AGP-V3800 Combat
 1048 0c20 TNT2 Vanta
 1048 0c21 TNT2 Vanta
 1092 6820 Viper V730
 1102 1031 CT6938 VANTA 8MB
 1102 1034 CT6894 VANTA 16MB
 14af 5008 Maxi Gamer Phoenix 2
 002d NV5M64 [RIVA TNT2 Model 64/Model 64 Pro]
 1043 0200 AGP-V3800M
 1043 0201 AGP-V3800M
 1048 0c3a Erazor III LT
 1048 0c3b Erazor III LT
 10de 001e M64 AGP4x
 1102 1023 CT6892 RIVA TNT2 Value
 1102 1024 CT6932 RIVA TNT2 Value 32Mb
 1102 102c CT6931 RIVA TNT2 Value [Jumper]
 1462 8808 MSI-8808
 1554 1041 Pixelview RIVA TNT2 M64
 1569 002d Palit Microsystems Daytona TNT2 M64
 002e NV6 [Vanta]
 002f NV6 [Vanta]
 0034 MCP04 SMBus
 0035 MCP04 IDE
 0036 MCP04 Serial ATA Controller
 0037 MCP04 Ethernet Controller
 0038 MCP04 Ethernet Controller
 003a MCP04 AC'97 Audio Controller
 003b
 MCP04 USB Controller
 003c MCP04 USB Controller
 003d MCP04 PCI Bridge
 003e MCP04 Serial ATA Controller
 0040 NV40 [GeForce 6800 Ultra]
 0041 NV40 [GeForce 6800]
 1043 817b V9999 Gamer Edition
 0042 NV40.2 [GeForce 6800 LE]
 0043 NV40.3 [GeForce 6800 XE]
 0044 NV40 [GeForce 6800 XT]
 0045 NV40 [GeForce 6800 GT]
 0046 NV40 [GeForce 6800 GT]
 0047 NV40 [GeForce 6800 GS]

1682 2109 GeForce 6800 GS
 0048 NV40 [GeForce 6800 XT]
 0049 NV40GL
 004d NV40GL [Quadro FX 4000]
 004e NV40GL [Quadro FX 4000]
 0050 CK804 ISA Bridge
 1043 815a K8N4-E or A8N-E Mainboard
 1458 0c11 GA-K8N Ultra-9 Mainboard
 1462 7100 MSI K8N Diamond
 147b 1c1a KN8-Ultra Mainboard
 0051 CK804 ISA Bridge
 0052 CK804 SMBus
 1043 815a K8N4-E or A8N-E Mainboard
 1458 0c11 GA-K8N Ultra-9 Mainboard
 1462 7100 MSI K8N Diamond
 147b 1c1a KN8-Ultra Mainboard
 0053 CK804 IDE
 1043 815a K8N4-E or A8N-E Mainboard
 1458 5002 GA-K8N Ultra-9 Mainboard
 1462 7100 MSI K8N Diamond
 147b
 1c1a KN8-Ultra Mainboard
 0054 CK804 Serial ATA Controller
 1043 815a A8N-E Mainboard
 1458 b003 GA-K8N Ultra-9 Mainboard
 1462 7100 MSI K8N Diamond
 147b 1c1a KN8-Ultra Mainboard
 0055 CK804 Serial ATA Controller
 1043 815a K8N4-E or A8N-E Mainboard
 1458 b003 GA-K8N Ultra-9 Mainboard
 147b 1c1a KN8-Ultra Mainboard
 0056 CK804 Ethernet Controller
 0057 CK804 Ethernet Controller
 1043 8141 K8N4-E or A8N-E Mainboard
 1458 e000 GA-K8N Ultra-9 Mainboard
 1462 7100 MSI K8N Diamond
 147b 1c1a KN8-Ultra Mainboard
 0058 CK804 AC'97 Modem
 0059 CK804 AC'97 Audio Controller
 1043 812a K8N4-E or A8N-E Mainboard
 147b 1c1a KN8-Ultra Mainboard
 005a CK804 USB Controller
 1043 815a K8N4-E or A8N-E Mainboard
 1458 5004 GA-K8N Ultra-9 Mainboard
 1462 7100 MSI K8N Diamond
 147b 1c1a KN8-Ultra Mainboard
 005b CK804 USB Controller
 1043 815a K8N4-E or A8N-E Mainboard

1458 5004 GA-K8N Ultra-9 Mainboard
 1462 7100 MSI K8N Diamond
 147b 1c1a KN8-Ultra
 Mainboard
 005c CK804 PCI Bridge
 005d CK804 PCIE Bridge
 005e CK804 Memory Controller
 1043 815a A8N-E Mainboard
 10f1 2891 Thunder K8SRE Mainboard
 1458 5000 GA-K8N Ultra-9 Mainboard
 1462 7100 MSI K8N Diamond
 147b 1c1a KN8-Ultra Mainboard
 005f CK804 Memory Controller
 0060 nForce2 ISA Bridge
 1043 80ad A7N8X Mainboard
 a0a0 03ba UK79G-1394 motherboard
 0064 nForce2 SMBus (MCP)
 a0a0 03bb UK79G-1394 motherboard
 0065 nForce2 IDE
 a0a0 03b2 UK79G-1394 motherboard
 0066 nForce2 Ethernet Controller
 1043 80a7 A7N8X Mainboard onboard nForce2 Ethernet
 0067 nForce2 USB Controller
 1043 0c11 A7N8X Mainboard
 0068 nForce2 USB Controller
 1043 0c11 A7N8X Mainboard
 a0a0 03b4 UK79G-1394 motherboard
 006a nForce2 AC97 Audio Controller (MCP)
 1043 8095 nForce2 AC97 Audio Controller (MCP)
 a0a0 0304 UK79G-1394 motherboard
 006b nForce Audio Processing Unit
 10de 006b nForce2 MCP Audio Processing Unit
 006c nForce2 External PCI Bridge
 006d nForce2
 PCI Bridge
 006e nForce2 FireWire (IEEE 1394) Controller
 a0a0 0306 UK79G-1394 motherboard
 0080 MCP2A ISA bridge
 147b 1c09 NV7 Motherboard
 0084 MCP2A SMBus
 147b 1c09 NV7 Motherboard
 0085 MCP2A IDE
 147b 1c09 NV7 Motherboard
 0086 MCP2A Ethernet Controller
 0087 MCP2A USB Controller
 147b 1c09 NV7 Motherboard
 0088 MCP2A USB Controller
 147b 1c09 NV7 Motherboard

008a MCP2S AC'97 Audio Controller
147b 1c09 NV7 Motherboard
008b MCP2A PCI Bridge
008c MCP2A Ethernet Controller
008e nForce2 Serial ATA Controller
0090 G70 [GeForce 7800 GTX]
0091 G70 [GeForce 7800 GTX]
0092 G70 [GeForce 7800 GT]
0093 G70 [GeForce 7800 GS]
0098 G70 [GeForce Go 7800]
0099 G70 [GeForce Go 7800 GTX]
009d G70GL [Quadro FX 4500]
00a0 NV5 [Aladdin TNT2]
14af 5810 Maxi Gamer Xentor
00c0 NV41 [GeForce 6800 GS]
00c1 NV41.1 [GeForce 6800]
00c2 NV41.2 [GeForce 6800 LE]
00c3 NV42 [GeForce 6800 XT]
00c8 NV41.8 [GeForce Go 6800]
00c9 NV41.9 [GeForce Go
6800 Ultra]
00cc NV41 [Quadro FX Go1400]
00cd NV41 [Quadro FX 3450/4000 SDI]
10de 029b wx4300 Workstation
00ce NV41GL [Quadro FX 1400]
00d0 nForce3 LPC Bridge
00d1 nForce3 Host Bridge
00d2 nForce3 AGP Bridge
00d3 CK804 Memory Controller
00d4 nForce3 SMBus
00d5 nForce3 IDE
00d6 nForce3 Ethernet
00d7 nForce3 USB 1.1
00d8 nForce3 USB 2.0
00d9 nForce3 Audio
00da nForce3 Audio
00dd nForce3 PCI Bridge
00df CK8S Ethernet Controller
1043 80a7 K8N-E
105b 0c43 Winfast NF3250K8AA
147b 1c0b NF8 Mainboard
00e0 nForce3 250Gb LPC Bridge
1043 813f K8N-E
10de 0c11 Winfast NF3250K8AA
1462 7030 K8N Neo-FSR v2.0
147b 1c0b NF8 Mainboard
00e1 nForce3 250Gb Host Bridge
1043 813f K8N-E

1462 7030 K8N Neo-FSR v2.0
 147b 1c0b NF8 Mainboard
 00e2 nForce3 250Gb AGP Host to PCI Bridge
 00e3 CK8S Serial ATA Controller (v2.5)
 1043 813f K8N-E
 105b 0c43 Winfast NF3250K8AA
 147b 1c0b NF8 Mainboard
 00e4 nForce 250Gb PCI System Management
 1043
 813f K8N-E
 105b 0c43 Winfast NF3250K8AA
 1462 7030 K8N Neo-FSR v2.0
 147b 1c0b NF8 Mainboard
 00e5 CK8S Parallel ATA Controller (v2.5)
 1043 813f K8N-E
 105b 0c43 Winfast NF3250K8AA
 1462 7030 K8N Neo-FSR v2.0
 147b 1c0b NF8 Mainboard
 00e6 CK8S Ethernet Controller
 00e7 CK8S USB Controller
 1043 813f K8N-E
 105b 0c43 Winfast NF3250K8AA
 1462 7030 K8N Neo-FSR v2.0
 147b 1c0b NF8 Mainboard
 00e8 nForce3 EHCI USB 2.0 Controller
 1043 813f K8N-E
 105b 0c43 Winfast NF3250K8AA
 1462 7030 K8N Neo-FSR v2.0
 147b 1c0b NF8 Mainboard
 00ea nForce3 250Gb AC'97 Audio Controller
 1043 819d K8N-E
 105b 0c43 Winfast NF3250K8AA
 1462 b010 K8N Neo-FSR v2.0
 147b 1c0b NF8 Mainboard
 00ed nForce3 250Gb PCI-to-PCI Bridge
 00ee CK8S Serial ATA Controller (v2.5)
 00f0 NV40 [GeForce 6800 Ultra]
 00f1 NV43 [GeForce 6600 GT]
 1043 81a6 N6600GT TD 128M AGP
 1458 3150 GV-N66T128VP
 1682 2119 GeForce 6600 GT AGP 128MB DDR3 DUAL DVI TV
 00f2 NV43 [GeForce
 6600]
 1682 211c GeForce 6600 256MB DDR DUAL DVI TV
 00f3 NV43 [GeForce 6200]
 00f4 NV43 [GeForce 6600 LE]
 00f5 G70 [GeForce 7800 GS]
 00f6 NV43 [GeForce 6800 GS]

1682 217e XFX GeForce 6800 XTreme 256MB DDR3 AGP
00f8 NV45GL [Quadro FX 3400/4400]
00f9 NV45 [GeForce 6800 GTO]
1682 2120 GEFORCE 6800 GT PCI-E
00fa NV36 [GeForce PCX 5750]
00fb NV35 [GeForce PCX 5900]
00fc NV37GL [Quadro FX 330/GeForce PCX 5300]
00fd NV37GL [Quadro PCI-E Series]
00fe NV38GL [Quadro FX 1300]
00ff NV18 [GeForce PCX 4300]
0100 NV10 [GeForce 256 SDR]
1043 0200 AGP-V6600 SGRAM
1043 0201 AGP-V6600 SDRAM
1043 4008 AGP-V6600 SGRAM
1043 4009 AGP-V6600 SDRAM
1048 0c41 Erazor X
1048 0c43 ERAZOR X PCI
1048 0c48 Synergy Force
1102 102d CT6941 GeForce 256
14af 5022 3D Prophet SE
0101 NV10DDR [GeForce 256 DDR]
1043 0202 AGP-V6800 DDR
1043 400a AGP-V6800 DDR SGRAM
1043 400b AGP-V6800 DDR SDRAM
1048 0c42 Erazor X
107d 2822 WinFast GeForce 256
1102 102e
CT6971 GeForce 256 DDR
14af 5021 3D Prophet DDR-DVI
0103 NV10GL [Quadro]
1048 0c40 GLoria II-64
1048 0c44 GLoria II
1048 0c45 GLoria II
1048 0c4a GLoria II-64 Pro
1048 0c4b GLoria II-64 Pro DVII
0110 NV11 [GeForce2 MX/MX 400]
1043 4015 AGP-V7100 Pro
1043 4021 V7100 Deluxe Combo
1043 4031 V7100 Pro with TV output
1048 0c60 Gladiac MX
1048 0c61 Gladiac 511PCI
1048 0c63 Gladiac 511TV-OUT 32MB
1048 0c64 Gladiac 511TV-OUT 64MB
1048 0c65 Gladiac 511TWIN
1048 0c66 Gladiac 311
10de 0091 Dell OEM GeForce 2 MX 400
10de 00a1 Apple OEM GeForce2 MX
1462 8817 MSI GeForce2 MX400 Pro32S [MS-8817]

14af 7102 3D Prophet II MX
14af 7103 3D Prophet II MX Dual-Display
0111 NV11DDR [GeForce2 MX200]
0112 NV11 [GeForce2 Go]
0113 NV11GL [Quadro2 MXR/EX/Go]
0140 NV43 [GeForce 6600 GT]
0141 NV43 [GeForce 6600]
1043 81b0 EN6600 Silencer
1458 3124 GV-NX66128DP Turbo Force Edition
0142 NV43 [GeForce 6600 LE]
0143 NV43 [GeForce 6600
VE]
0144 NV43 [GeForce Go 6600]
0145 NV43 [GeForce 6610 XL]
0146 NV43 [Geforce Go 6600TE/6200TE]
0147 GeForce 6700 XL
0148 NV43 [GeForce Go 6600]
0149 NV43 [GeForce Go 6600 GT]
014a Quadro NVS 440
014c Quadro FX 540 MXM
014d NV18GL [Quadro FX 550]
014e NV43GL [Quadro FX 540]
014f NV43 [GeForce 6200]
0150 NV15 [GeForce2 GTS/Pro]
1043 4016 V7700 AGP Video Card
1048 0c50 Gladiac
1048 0c52 Gladiac-64
107d 2840 WinFast GeForce2 GTS with TV output
107d 2842 WinFast GeForce 2 Pro
10de 002e GeForce2 GTS
1462 8831 Creative GeForce2 Pro
0151 NV15DDR [GeForce2 Ti]
1043 405f V7700Ti
1462 5506 Creative 3D Blaster Geforce2 Titanium
0152 NV15BR [GeForce2 Ultra, Bladerunner]
1048 0c56 GLADIAC Ultra
0153 NV15GL [Quadro2 Pro]
0160 GeForce 6500
0161 NV44 [GeForce 6200 TurboCache(TM)]
0162 NV44 [GeForce 6200SE TurboCache (TM)]
0163 NV44 [GeForce 6200 LE]
0164 NV44 [GeForce Go 6200]
0165 NV44 [Quadro NVS 285]
0166 NV43 [GeForce Go
6400]
0167 NV43 [GeForce Go 6200/6400]
0168 NV43 [GeForce Go 6200/6400]
0169 GeForce 6250

016a GeForce 7100 GS
 0170 NV17 [GeForce4 MX 460]
 0171 NV17 [GeForce4 MX 440]
 10b0 0002 Gainward Pro/600 TV
 10de 0008 Apple OEM GeForce4 MX 440
 1462 8661 G4MX440-VTP
 1462 8730 MX440SES-T (MS-8873)
 1462 8852 GeForce4 MX440 PCI
 147b 8f00 Abit Siluro GeForce4MX440
 0172 NV17 [GeForce4 MX 420]
 0173 NV17 [GeForce4 MX 440-SE]
 0174 NV17 [GeForce4 440 Go]
 0175 NV17 [GeForce4 420 Go]
 0176 NV17 [GeForce4 420 Go 32M]
 103c 08b0 tc1100 tablet
 4c53 1090 Cx9 / Vx9 mainboard
 0177 NV17 [GeForce4 460 Go]
 0178 NV17GL [Quadro4 550 XGL]
 0179 NV17 [GeForce4 440 Go 64M]
 10de 0179 GeForce4 MX (Mac)
 017a NV17GL [Quadro NVS]
 017b NV17GL [Quadro4 550 XGL]
 017c NV17GL [Quadro4 500 GoGL]
 017d NV17 [GeForce4 410 Go 16M]
 0181 NV18 [GeForce4 MX 440 AGP 8x]
 1043 8063 GeForce4 MX 440 AGP 8X
 1043 806f V9180 Magic
 1462 8880 MS-StarForce GeForce4 MX 440 with AGP8X
 1462
 8900 MS-8890 GeForce 4 MX440 AGP8X
 1462 9350 MSI Geforce4 MX T8X with AGP8X
 147b 8f0d Siluro GF4 MX-8X
 0182 NV18 [GeForce4 MX 440SE AGP 8x]
 0183 NV18 [GeForce4 MX 420 AGP 8x]
 0184 NV18 [GeForce4 MX]
 0185 NV18 [GeForce4 MX 4000]
 0186 NV18M [GeForce4 448 Go]
 0187 NV18M [GeForce4 488 Go]
 0188 NV18GL [Quadro4 580 XGL]
 018a NV18GL [Quadro NVS with AGP8X]
 018b NV18GL [Quadro4 380 XGL]
 018c NV18GL [Quadro NVS 50 PCI]
 018d NV18M [GeForce4 448 Go]
 0191 G80 [GeForce 8800 GTX]
 0193 G80 [GeForce 8800 GTS]
 019d G80 [Quadro FX 5600]
 019e G80 [Quadro FX 4600]
 01a0 NVCrush11 [GeForce2 MX Integrated Graphics]

01a4 nForce CPU bridge
 01ab nForce 420 Memory Controller (DDR)
 01ac nForce 220/420 Memory Controller
 01ad nForce 220/420 Memory Controller
 01b0 nForce Audio
 01b1 nForce Audio
 01b2 nForce ISA Bridge
 01b4 nForce PCI System Management
 01b7 nForce AGP to PCI Bridge
 01b8 nForce PCI-to-PCI bridge
 01bc nForce IDE
 01c1 nForce AC'97
 Modem Controller
 01c2 nForce USB Controller
 01c3 nForce Ethernet Controller
 01d1 G72 [GeForce 7300 LE]
 1462 0345 7300LE PCI Express Graphics Adapter
 01d3 G72 [GeForce 7300 SE]
 01d6 GeForce Go 7200
 01d7 G72M [Quadro NVS 110M/GeForce Go 7300]
 01d8 G72M [GeForce Go 7400]
 01da G72M [Quadro NVS 110M]
 01dc G72GL [Quadro FX 350M]
 01dd G72 [GeForce 7500 LE]
 01de G72GL [Quadro FX 350]
 10de 01dc Quadro FX Go350M
 01df G71 [GeForce 7300 GS]
 01e0 nForce2 AGP (different version?)
 147b 1c09 NV7 Motherboard
 01e8 nForce2 AGP
 01ea nForce2 Memory Controller 0
 a0a0 03b9 UK79G-1394 motherboard
 01eb nForce2 Memory Controller 1
 a0a0 03b9 UK79G-1394 motherboard
 01ec nForce2 Memory Controller 2
 a0a0 03b9 UK79G-1394 motherboard
 01ed nForce2 Memory Controller 3
 a0a0 03b9 UK79G-1394 motherboard
 01ee nForce2 Memory Controller 4
 a0a0 03b9 UK79G-1394 motherboard
 01ef nForce2 Memory Controller 5
 a0a0 03b9 UK79G-1394 motherboard
 01f0 NV18 [GeForce4
 MX - nForce GPU]
 a0a0 03b5 UK79G-1394 motherboard
 0200 NV20 [GeForce3]
 1043 402f AGP-V8200 DDR
 1048 0c70 GLADIAC 920

0201 NV20 [GeForce3 Ti 200]
 0202 NV20 [GeForce3 Ti 500]
 1043 405b V8200 T5
 1545 002f Xtasy 6964
 0203 NV20DCC [Quadro DCC]
 0211 NV40 [GeForce 6800]
 0212 NV40 [GeForce 6800 LE]
 0215 NV40 [GeForce 6800 GT]
 0218 NV40 [GeForce 6800 XT]
 0221 NV44A [GeForce 6200]
 3842 a341 256A8N341DX
 0222 GeForce 6200 A-LE
 0240 C51PV [GeForce 6150]
 1043 81cd A8N-VM CSM
 1462 7207 K8NGM2 series
 0241 C51 [GeForce 6150 LE]
 0242 C51G [GeForce 6100]
 0243 C51 PCI Express Bridge
 0244 C51 [Geforce 6150 Go]
 10de 0244 C51 [Geforce 6150 Go]
 0245 C51 [Quadro NVS 210S/GeForce 6150LE]
 0246 C51 PCI Express Bridge
 0247 MCP51 PCI-X GeForce Go 6100
 1043 1382 MCP51 PCI-X GeForce Go 6100
 0248 C51 PCI Express Bridge
 0249 C51 PCI Express Bridge
 024a C51 PCI Express Bridge
 024b C51 PCI Express Bridge
 024c C51 PCI Express Bridge
 024d C51 PCI
 Express Bridge
 024e C51 PCI Express Bridge
 024f C51 PCI Express Bridge
 0250 NV25 [GeForce4 Ti 4600]
 0251 NV25 [GeForce4 Ti 4400]
 1043 8023 v8440 GeForce 4 Ti4400
 0252 NV25 [GeForce4 Ti]
 0253 NV25 [GeForce4 Ti 4200]
 107d 2896 WinFast A250 LE TD (Dual VGA/TV-out/DVI)
 147b 8f09 Siluro (Dual VGA/TV-out/DVI)
 0258 NV25GL [Quadro4 900 XGL]
 0259 NV25GL [Quadro4 750 XGL]
 025b NV25GL [Quadro4 700 XGL]
 0260 MCP51 LPC Bridge
 1043 81bc A8N-VM CSM Mainboard
 1458 5001 GA-M55plus-S3G
 1462 7207 K8NGM2 series
 0261 MCP51 LPC Bridge

0262 MCP51 LPC Bridge
0263 MCP51 LPC Bridge
0264 MCP51 SMBus
1043 81bc A8N-VM CSM Mainboard
1462 7207 K8NGM2 series
0265 MCP51 IDE
1043 81bc A8N-VM CSM Mainboard
1462 7207 K8NGM2 series
0266 MCP51 Serial ATA Controller
1043 81bc A8N-VM CSM Mainboard
1462 7207 K8NGM2 series
0267 MCP51 Serial ATA Controller
1043 81bc A8N-VM CSM Mainboard
1462 7207 K8NGM2 series
0268 MCP51 Ethernet Controller
0269 MCP51
Ethernet Controller
1043 8141 A8N-VM CSM Mainboard
1462 7207 K8NGM2 series
026a MCP51 MCI
026b MCP51 AC97 Audio Controller
026c MCP51 High Definition Audio
10de cb84 A8N-VM CSM Mainboard
1462 7207 K8NGM2 series
026d MCP51 USB Controller
1043 81bc A8N-VM CSM Mainboard
1462 7207 K8NGM2 series
026e MCP51 USB Controller
1043 81bc A8N-VM CSM Mainboard
1462 7207 K8NGM2 series
026f MCP51 PCI Bridge
0270 MCP51 Host Bridge
1043 81bc A8N-VM CSM Mainboard
1458 5001 GA-M55plus-S3G
1462 7207 K8NGM2 series
0271 MCP51 PMU
0272 MCP51 Memory Controller 0
027e C51 Memory Controller 2
1043 81cd A8N-VM CSM Mainboard
1458 5000 GA-M55plus-S3G
1462 7207 K8NGM2 series
027f C51 Memory Controller 3
1043 81cd A8N-VM CSM Mainboard
1458 5000 GA-M55plus-S3G
1462 7207 K8NGM2 series
0280 NV28 [GeForce4 Ti 4800]
0281 NV28 [GeForce4 Ti 4200 AGP 8x]
0282 NV28 [GeForce4 Ti 4800 SE]

0286 NV28 [GeForce4 Ti 4200 Go AGP 8x]
 0288 NV28GL [Quadro4
 980 XGL]
 0289 NV28GL [Quadro4 780 XGL]
 028c NV28GLM [Quadro4 Go700]
 0290 G71 [GeForce 7900 GTX]
 0291 G71 [GeForce 7900 GT/GTO]
 10de 042b NX7900GTO-T2D512E [7900 GTO]
 0292 G71 [GeForce 7900 GS]
 0293 G71 [GeForce 7900 GX2]
 0294 G71 [GeForce 7950 GX2]
 0295 G71 [GeForce 7950 GT]
 107d 2a68 WinFast PX7950GT TDH
 0297 GeForce Go 7950 GTX
 0298 GeForce Go 7900 GS
 0299 GeForce Go 7900 GTX
 029a G71 [Quadro FX 2500M]
 029b G71 [Quadro FX 1500M]
 029c G71 [Quadro FX 5500]
 029d G71GL [Quadro FX 3500]
 029e G71 [Quadro FX 1500]
 029f G70 [Quadro FX 4500 X2]
 # Xbox Graphics Processing Unit (Integrated). GeForce3 derivative (NV20 < NV2A < NV25).
 02a0 NV2A [XGPU]
 02e0 GeForce 7600 GT
 02e1 G73 [GeForce 7600 GS]
 02e2 GeForce 7300 GT
 02f0 C51 Host Bridge
 1043 81cd A8N-VM CSM Mainboard
 1462 7207 K8NGM2 series
 02f1 C51 Host Bridge
 1458 5000 GA-M55plus-S3G
 02f2 C51 Host Bridge
 02f3 C51 Host Bridge
 02f4 C51 Host Bridge
 02f5 C51 Host Bridge
 02f6
 C51 Host Bridge
 02f7 C51 Host Bridge
 02f8 C51 Memory Controller 5
 1043 81cd A8N-VM CSM Mainboard
 1458 5000 GA-M55plus-S3G
 1462 7207 K8NGM2 series
 02f9 C51 Memory Controller 4
 1043 81cd A8N-VM CSM Mainboard
 1458 5000 GA-M55plus-S3G
 1462 7207 K8NGM2 series
 02fa C51 Memory Controller 0

1043 81cd A8N-VM CSM Mainboard
1458 5000 GA-M55plus-S3G
1462 7207 K8NGM2 series
02fb C51 PCI Express Bridge
02fc C51 PCI Express Bridge
02fd C51 PCI Express Bridge
02fe C51 Memory Controller 1
1043 81cd A8N-VM CSM Mainboard
1458 5000 GA-M55plus-S3G
1462 7207 K8NGM2 series
02ff C51 Host Bridge
1043 81cd A8N-VM CSM Mainboard
1458 5000 GA-M55plus-S3G
1462 7207 K8NGM2 series
0300 NV30 [GeForce FX]
0301 NV30 [GeForce FX 5800 Ultra]
0302 NV30 [GeForce FX 5800]
0308 NV30GL [Quadro FX 2000]
0309 NV30GL [Quadro FX 1000]
0311 NV31 [GeForce FX 5600 Ultra]
0312 NV31 [GeForce FX 5600]
0313 NV31
0314 NV31 [GeForce FX 5600XT]
1043 814a
V9560XT/TD
0316 NV31M
0317 NV31M Pro
031a NV31M [GeForce FX Go5600]
031b NV31M [GeForce FX Go5650]
031c Quadro FX Go700
031d NV31GLM
031e NV31GLM Pro
031f NV31GLM Pro
0320 NV34 [GeForce FX 5200]
0321 NV34 [GeForce FX 5200 Ultra]
0322 NV34 [GeForce FX 5200]
1043 02fb V9250 Magic
1462 9171 MS-8917 (FX5200-T128)
1462 9360 MS-8936 (FX5200-T128)
0323 NV34 [GeForce FX 5200LE]
0324 NV34M [GeForce FX Go5200 64M]
1028 0196 Inspiron 5160
1071 8160 MIM2000
0325 NV34M [GeForce FX Go5250]
0326 NV34 [GeForce FX 5500]
0327 NV34 [GeForce FX 5100]
0328 NV34M [GeForce FX Go5200 32M/64M]
0329 NV34M [GeForce FX Go5200]

032a NV34GL [Quadro NVS 280 PCI]
032b NV34GL [Quadro FX 500/600 PCI]
032c NV34GLM [GeForce FX Go 5300]
032d NV34 [GeForce FX Go5100]
032f NV34GL
0330 NV35 [GeForce FX 5900 Ultra]
0331 NV35 [GeForce FX 5900]
1043 8145 V9950GE
0332 NV35 [GeForce FX 5900XT]
0333 NV38 [GeForce FX 5950 Ultra]
0334 NV35 [GeForce FX 5900ZT]
0338
NV35GL [Quadro FX 3000]
033f NV35GL [Quadro FX 700]
0341 NV36.1 [GeForce FX 5700 Ultra]
1462 9380 MS-8938 (FX5700U-TD128)
0342 NV36.2 [GeForce FX 5700]
0343 NV36 [GeForce FX 5700LE]
0344 NV36.4 [GeForce FX 5700VE]
0345 NV36.5
0347 NV36 [GeForce FX Go5700]
103c 006a NX9500
0348 NV36 [GeForce FX Go5700]
0349 NV36M Pro
034b NV36MAP
034c NV36 [Quadro FX Go1000]
034e NV36GL [Quadro FX 1100]
034f NV36GL
0360 MCP55 LPC Bridge
0361 MCP55 LPC Bridge
0362 MCP55 LPC Bridge
0363 MCP55 LPC Bridge
0364 MCP55 LPC Bridge
0365 MCP55 LPC Bridge
0366 MCP55 LPC Bridge
0367 MCP55 LPC Bridge
0368 MCP55 SMBus
0369 MCP55 Memory Controller
036a MCP55 Memory Controller
036b MCP55 SMU
036c MCP55 USB Controller
036d MCP55 USB Controller
036e MCP55 IDE
0370 MCP55 PCI bridge
0371 MCP55 High Definition Audio
0372 MCP55 Ethernet
0373 MCP55 Ethernet
0374 MCP55 PCI Express bridge

0375 MCP55 PCI Express bridge
0376 MCP55 PCI Express bridge
0377
MCP55 PCI Express bridge
0378 MCP55 PCI Express bridge
037a MCP55 Memory Controller
037c G70 [GeForce 7800 GS] (rev a2)
037e MCP55 SATA Controller
037f MCP55 SATA Controller
0390 GeForce 7650 GS
0391 G70 [GeForce 7600 GT]
1458 3427 GV-NX76T128D-RH
0392 G70 [GeForce 7600 GS]
1462 0622 NX7600GS-T2D256EH
0393 G70 [GeForce 7300 GT]
0394 G70 [GeForce 7600 LE]
0395 G70 [GeForce 7300 GT]
0397 GeForce Go 7700
0398 G70 [GeForce Go 7600]

#

\n Subsystem:

1025 006c Acer 9814 WKMI
039b GeForce Go 7900 SE
039c Quadro FX 550M
039e G73GL [Quadro FX 560]
03a0 C55 Host Bridge
03a1 C55 Host Bridge
03a2 C55 Host Bridge
03a3 C55 Host Bridge
03a4 C55 Host Bridge
03a5 C55 Host Bridge
03a6 C55 Host Bridge
03a7 C55 Host Bridge
03a8 C55 Memory Controller
03a9 C55 Memory Controller
03aa C55 Memory Controller
03ab C55 Memory Controller
03ac C55 Memory Controller
03ad C55 Memory Controller
03ae C55 Memory Controller
03af C55

Memory Controller

03b0 C55 Memory Controller
03b1 C55 Memory Controller
03b2 C55 Memory Controller
03b3 C55 Memory Controller
03b4 C55 Memory Controller
03b5 C55 Memory Controller

03b6 C55 Memory Controller
03b7 C55 PCI Express bridge
03b8 C55 PCI Express bridge
03b9 C55 PCI Express bridge
03ba C55 Memory Controller
03bb C55 PCI Express bridge
03d0 GeForce 6100 nForce 430
03d1 GeForce 6100 nForce 405
03d2 GeForce 6100 nForce 400
03d5 GeForce 6100 nForce 420
03e0 MCP61 LPC Bridge
03e1 MCP61 LPC Bridge
03e2 MCP61 LPC Bridge
03e3 MCP61 LPC Bridge
03e4 MCP61 High Definition Audio
03e5 MCP61 Ethernet
03e6 MCP61 Ethernet
03e7 MCP61 SATA Controller
03e8 MCP61 PCI Express bridge
03e9 MCP61 PCI Express bridge
03ea MCP61 Memory Controller
03eb MCP61 SMBus
03ec MCP61 IDE
03ee MCP61 Ethernet
03ef MCP61 Ethernet
03f0 MCP61 High Definition Audio
03f1 MCP61 USB Controller
03f2 MCP61 USB Controller
03f3 MCP61 PCI bridge
03f4 MCP61
SMU
03f5 MCP61 Memory Controller
03f6 MCP61 SATA Controller
03f7 MCP61 SATA Controller
0440 MCP65 LPC Bridge
0441 MCP65 LPC Bridge
0442 MCP65 LPC Bridge
0443 MCP65 LPC Bridge
0444 MCP65 Memory Controller
0445 MCP65 Memory Controller
0446 MCP65 SMBus
0447 MCP65 SMU
0448 MCP65 IDE
0449 MCP65 PCI bridge
044a MCP65 High Definition Audio
044b MCP65 High Definition Audio
044c MCP65 AHCI Controller
044d MCP65 AHCI Controller

044e MCP65 AHCI Controller
 044f MCP65 AHCI Controller
 0450 MCP65 Ethernet
 0451 MCP65 Ethernet
 0452 MCP65 Ethernet
 0453 MCP65 Ethernet
 0454 MCP65 USB Controller
 0455 MCP65 USB Controller
 0456 MCP65 USB Controller
 0457 MCP65 USB Controller
 0458 MCP65 PCI Express bridge
 0459 MCP65 PCI Express bridge
 045a MCP65 PCI Express bridge
 045c MCP65 SATA Controller
 045d MCP65 SATA Controller
 045e MCP65 SATA Controller
 045f MCP65 SATA Controller
 055c MCP67 High Definition Audio
 055d MCP67 High Definition Audio
 c615
 G70 [GeForce 7600 GT]
 10df Emulex Corporation
 1ae5 LP6000 Fibre Channel Host Adapter
 f011 Saturn: LightPulse Fibre Channel Host Adapter
 f015 Saturn: LightPulse Fibre Channel Host Adapter
 f085 LP850 Fibre Channel Host Adapter
 f095 LP952 Fibre Channel Host Adapter
 f098 LP982 Fibre Channel Host Adapter
 f0a1 Thor LightPulse Fibre Channel Host Adapter
 f0a5 Thor LightPulse Fibre Channel Host Adapter
 f0b5 Viper LightPulse Fibre Channel Host Adapter
 f0d1 Helios LightPulse Fibre Channel Host Adapter
 f0d5 Helios LightPulse Fibre Channel Host Adapter
 f0e1 Zephyr LightPulse Fibre Channel Host Adapter
 f0e5 Zephyr LightPulse Fibre Channel Host Adapter
 f0f5 Neptune LightPulse Fibre Channel Host Adapter
 f100 Saturn-X: LightPulse Fibre Channel Host Adapter
 f700 LP7000 Fibre Channel Host Adapter
 f701 LP7000 Fibre Channel Host Adapter Alternate ID (JX1:2-3, JX2:1-2)
 f800 LP8000 Fibre Channel Host Adapter
 f801 LP8000 Fibre Channel Host Adapter Alternate ID (JX1:2-3,
 JX2:1-2)
 f900 LP9000 Fibre Channel Host Adapter
 f901 LP9000 Fibre Channel Host Adapter Alternate ID (JX1:2-3, JX2:1-2)
 f980 LP9802 Fibre Channel Host Adapter
 f981 LP9802 Fibre Channel Host Adapter Alternate ID
 f982 LP9802 Fibre Channel Host Adapter Alternate ID
 fa00 Thor-X LightPulse Fibre Channel Host Adapter

fb00 Viper LightPulse Fibre Channel Host Adapter
 fc00 Thor-X LightPulse Fibre Channel Host Adapter
 fc10 Helios-X LightPulse Fibre Channel Host Adapter
 fc20 Zephyr-X LightPulse Fibre Channel Host Adapter
 fc40 Saturn-X: LightPulse Fibre Channel Host Adapter
 fd00 Helios-X LightPulse Fibre Channel Host Adapter
 fe00 Zephyr-X LightPulse Fibre Channel Host Adapter
 ff00 Neptune LightPulse Fibre Channel Host Adapter
 10e0 Integrated Micro Solutions Inc.
 5026 IMS5026/27/28
 5027 IMS5027
 5028 IMS5028
 8849 IMS8849
 8853 IMS8853
 9128 IMS9128 [Twin turbo 128]
 10e1 Tekram Technology Co.,Ltd.
 0391 TRM-S1040
 10e1 0391 DC-315U SCSI-3 Host Adapter
 690c
 DC-690c
 dc29 DC-290
 10e2 Aptix Corporation
 10e3 Tundra Semiconductor Corp.
 0000 CA91C042 [Universe]
 0108 Tsi108 Host Bridge for Single PowerPC
 0148 Tsi148 [Tempe]
 1775 1100 VR11 Single Board Computer
 0860 CA91C860 [QSpan]
 0862 CA91C862A [QSpan-II]
 8260 CA91L8200B [Dual PCI PowerSpan II]
 8261 CA91L8260B [Single PCI PowerSpan II]
 a108 Tsi109 Host Bridge for Dual PowerPC
 10e4 Tandem Computers
 8029 Realtek 8029 Network Card
 10e5 Micro Industries Corporation
 10e6 Gainbery Computer Products Inc.
 10e7 Vadem
 10e8 Applied Micro Circuits Corp.
 1072 INES GPIB-PCI (AMCC5920 based)
 2011 Q-Motion Video Capture/Edit board
 4750 S5930 [Matchmaker]
 5920 S5920
 8043 LANai4.x [Myrinet LANai interface chip]
 8062 S5933_PARASTATION
 807d S5933 [Matchmaker]
 8088 Kongsberg Spacetec Format Synchronizer
 8089 Kongsberg Spacetec Serial Output Board
 809c S5933_HEPC3

80d7 PCI-9112
 80d9 PCI-9118
 80da PCI-9812
 80fc APCI1500 Signal processing controller (16
 dig. inputs + 16 dig. outputs)
 811a PCI-IEEE1355-DS-DE Interface
 814c Fastcom ESCC-PCI (Commtech, Inc.)
 8170 S5933 [Matchmaker] (Chipset Development Tool)
 81e6 Multimedia video controller
 828d APCI3001 Signal processing controller (up to 16 analog inputs)
 8291 Fastcom 232/8-PCI (Commtech, Inc.)
 82c4 Fastcom 422/4-PCI (Commtech, Inc.)
 82c5 Fastcom 422/2-PCI (Commtech, Inc.)
 82c6 Fastcom IG422/1-PCI (Commtech, Inc.)
 82c7 Fastcom IG232/2-PCI (Commtech, Inc.)
 82ca Fastcom 232/4-PCI (Commtech, Inc.)
 82db AJA HDNTV HD SDI Framestore
 82e2 Fastcom DIO24H-PCI (Commtech, Inc.)
 8406 PCICanx/PCICan CAN interface [Kvaser AB]
 8407 PCICan II CAN interface (A1021, PCB-07, PCB-08) [Kvaser AB]
 8851 S5933 on Innes Corp FM Radio Capture card
 10e9 Alps Electric Co., Ltd.
 10ea Intergraphics Systems
 1680 IGA-1680
 1682 IGA-1682
 1683 IGA-1683
 2000 CyberPro 2000
 2010 CyberPro 2000A
 5000 CyberPro 5000
 5050 CyberPro 5050
 5202 CyberPro 5202
 # CyberPro5202 Audio Function
 5252
 CyberPro5252
 10eb Artists Graphics
 0101 3GA
 8111 Twist3 Frame Grabber
 10ec Realtek Semiconductor Co., Ltd.
 0139 Zonet Zen3200
 0260 Realtek 260 High Definition Audio
 0261 Realtek 261 High Definition Audio
 0280 Realtek 280 High Definition Audio
 0861 Realtek 861 High Definition Audio
 0862 Realtek 862 High Definition Audio
 0880 Realtek 880 High Definition Audio
 0883 Realtek 883 High Definition Audio
 1025 1605 TravelMate 5600 series
 0888 Realtek 888 High Definition Audio

8029 RTL-8029(AS)
10b8 2011 EZ-Card (SMC1208)
10ec 8029 RTL-8029(AS)
1113 1208 EN1208
1186 0300 DE-528
1259 2400 AT-2400
8129 RTL-8129
10ec 8129 RT8129 Fast Ethernet Adapter
8136 RTL8101E PCI Express Fast Ethernet controller
8138 RT8139 (B/C) Cardbus Fast Ethernet Adapter
10ec 8138 RT8139 (B/C) Fast Ethernet Adapter
8139 RTL-8139/8139C/8139C+
0357 000a TTP-Monitoring Card V2.0
1025 005a TravelMate 290
1025 8920 ALN-325
1025 8921 ALN-325
103c
006a NX9500
1043 1045 L8400B or L3C/S notebook
1043 8109 P5P800-MX Mainboard
1071 8160 MIM2000
10bd 0320 EP-320X-R
10ec 8139 RT8139
10f7 8338 Panasonic CF-Y5 laptop
1113 ec01 FNC-0107TX
1186 1300 DFE-538TX
1186 1320 SN5200
1186 8139 DRN-32TX
11f6 8139 FN22-3(A) LinxPRO Ethernet Adapter
1259 2500 AT-2500TX
1259 2503 AT-2500TX/ACPI
1429 d010 ND010
1432 9130 EN-9130TX
1436 8139 RT8139
144d c00c P30/P35 notebook
1458 e000 GA-7VM400M/7VT600 Motherboard
1462 788c 865PE Neo2-V Mainboard
146c 1439 FE-1439TX
1489 6001 GF100TXRII
1489 6002 GF100TXRA
149c 139a LFE-8139ATX
149c 8139 LFE-8139TX
14cb 0200 LNR-100 Family 10/100 Base-TX Ethernet
1565 2300 P4TSV Onboard LAN (RTL8100B)
1695 9001 Onboard RTL8101L 10/100 MBit
1799 5000 F5D5000 PCI Card/Desktop Network PCI Card
1904 8139 RTL8139D Fast Ethernet Adapter
2646 0001 EtheRx

8e2e 7000 KF-230TX
8e2e 7100 KF-230TX/2
a0a0 0007 ALN-325C
8167 RTL-8110SC/8169SC
Gigabit Ethernet
1462 235c P965 Neo MS-7235 mainboard
8168 RTL8111/8168B PCI Express Gigabit Ethernet controller
8169 RTL-8169 Gigabit Ethernet
1025 0079 Aspire 5024WLMi
1259 c107 CG-LAPCIGT
1371 434e ProG-2000L
1458 e000 GA-8I915ME-G Mainboard
1462 030c K8N Neo-FSR v2.0 mainboard
1462 702c K8T NEO 2 motherboard
1462 7094 K8T Neo2-F V2.0
1734 1091 D2030-A1
a0a0 0449 AK86-L motherboard
8180 RTL8180L 802.11b MAC
8185 RTL-8185 IEEE 802.11a/b/g Wireless LAN Controller
8197 SmartLAN56 56K Modem
10ed Ascii Corporation
7310 V7310
10ee Xilinx Corporation
0205 Wildcard TE205P
0210 Wildcard TE210P
0314 Wildcard TE405P/TE410P (1st Gen)
0405 Wildcard TE405P (2nd Gen)
0410 Wildcard TE410P (2nd Gen)
3fc0 RME Digi96
3fc1 RME Digi96/8
3fc2 RME Digi96/8 Pro
3fc3 RME Digi96/8 Pad
3fc4 RME Digi9652 (Hammerfall)
3fc5 RME Hammerfall DSP
3fc6 RME Hammerfall DSP MADI
8380 Ellips ProfiXpress Profibus Master
8381 Ellips Santos
Frame Grabber
d154 Copley Controls CAN card (PCI-CAN-02)
10ef Racore Computer Products, Inc.
8154 M815x Token Ring Adapter
10f0 Peritek Corporation
10f1 Tyan Computer
2865 Tyan Thunder K8E S2865
10f2 Achme Computer, Inc.
10f3 Alaris, Inc.
10f4 S-MOS Systems, Inc.
10f5 NKK Corporation

a001 NDR4000 [NR4600 Bridge]
 10f6 Creative Electronic Systems SA
 10f7 Matsushita Electric Industrial Co., Ltd.
 10f8 Altos India Ltd
 10f9 PC Direct
 10fa Truevision
 000c TARGA 1000
 10fb Thesys Gesellschaft fuer Mikroelektronik mbH
 186f TH 6255
 10fc I-O Data Device, Inc.
 # What's in the cardbus end of a Sony ACR-A01 card, comes with newer Vaio CD-RW drives
 0003 Cardbus IDE Controller
 0005 Cardbus SCSI CBSC II
 10fd Soyo Computer, Inc
 10fe Fast Multimedia AG
 10ff NCube
 1100 Jazz Multimedia
 1101 Initio Corporation
 1060 INI-A100U2W
 1622 INI-1623 PCI SATA-II Controller
 9100 INI-9100/9100W
 9400 INI-940
 9401 INI-950
 9500 360P
 9502 Initio INI-9100UW Ultra Wide SCSI Controller
 INIC-950P chip
 1102 Creative Labs
 0002 SB Live! EMU10k1
 1102 0020 CT4850 SBLive! Value
 1102 0021 CT4620 SBLive!
 1102 002f SBLive! mainboard implementation
 1102 100a SB Live! 5.1 Digital OEM [SB0220]
 1102 4001 E-mu APS
 1102 8022 CT4780 SBLive! Value
 1102 8023 CT4790 SoundBlaster PCI512
 1102 8024 CT4760 SBLive!
 1102 8025 SBLive! Mainboard Implementation
 1102 8026 CT4830 SBLive! Value
 1102 8027 CT4832 SBLive! Value
 1102 8028 CT4760 SBLive! OEM version
 1102 8031 CT4831 SBLive! Value
 1102 8040 CT4760 SBLive!
 1102 8051 CT4850 SBLive! Value
 1102 8061 SBLive! Player 5.1
 1102 8064 SBLive! 5.1 Model SB0100
 1102 8065 SBLive! 5.1 Digital Model SB0220
 1102 8067 SBLive! 5.1 eMicro 28028
 0004 SB Audigy

1102 0051 SB0090 Audigy Player
 1102 0053 SB0090 Audigy Player/OEM
 1102 0058 SB0090 Audigy Player/OEM
 1102 1002 SB Audigy2 ZS
 1102 1007 SB0240 Audigy 2 Platinum 6.1
 1102 2002 SB Audigy 2 ZS (SB0350)
 1102 4001 E-MU
 1010
 0005 SB X-Fi
 1102 0021 X-Fi Platinum
 1102 1003 X-Fi XtremeMusic
 0006 [SB Live! Value] EMU10k1X
 0007 SB Audigy LS
 1102 0007 SBLive! 24bit
 1102 1001 SB0310 Audigy LS
 1102 1002 SB0312 Audigy LS
 1102 1006 SB0410 SBLive! 24-bit
 1462 1009 K8N Diamond
 0008 SB0400 Audigy2 Value
 1102 0008 EMU0404 Digital Audio System
 4001 SB Audigy FireWire Port
 1102 0010 SB Audigy FireWire Port
 7002 SB Live! Game Port
 1102 0020 Gameport Joystick
 7003 SB Audigy Game Port
 1102 0040 SB Audigy MIDI/Game Port
 7004 [SB Live! Value] Input device controller
 7005 SB Audigy LS Game Port
 1102 1001 SB0310 Audigy LS MIDI/Game port
 1102 1002 SB0312 Audigy LS MIDI/Game port
 8064 SB0100 [SBLive! 5.1 OEM]
 8938 Ectiva EV1938
 1033 80e5 SlimTower-Jim (NEC)
 1071 7150 Mitac 7150
 110a 5938 Siemens Scenic Mobile 510PIII
 13bd 100c Ceres-C (Sharp, Intel BX)
 13bd 100d Sharp, Intel Banister
 13bd 100e TwinHead P09S/P09S3 (Sharp)
 13bd f6f1 Marlin (Sharp)
 14ff
 0e70 P88TE (TWINHEAD INTERNATIONAL Corp)
 14ff c401 Notebook 9100/9200/2000 (TWINHEAD INTERNATIONAL Corp)
 156d b400 G400 - Geo (AlphaTop (Taiwan))
 156d b550 G560 (AlphaTop (Taiwan))
 156d b560 G560 (AlphaTop (Taiwan))
 156d b700 G700/U700 (AlphaTop (Taiwan))
 156d b795 G795 (AlphaTop (Taiwan))
 156d b797 G797 (AlphaTop (Taiwan))

1103 Triones Technologies, Inc.
 0003 HPT343/345/346/363
 0004 HPT366/368/370/370A/372/372N
 1103 0001 HPT370A
 1103 0003 HPT343 / HPT345 / HPT363 UDMA33
 1103 0004 HPT366 UDMA66 (r1) / HPT368 UDMA66 (r2) / HPT370 UDMA100 (r3) / HPT370 UDMA100
 RAID (r4)
 1103 0005 HPT370 UDMA100
 1103 0006 HPT302/302N
 0005 HPT372A/372N
 0006 HPT302/302N
 0007 HPT371/371N
 0008 HPT374
 0009 HPT372N
 2340 RocketRAID 2340 16 Port SATA-II Controller
 1104 RasterOps Corp.
 1105 Sigma Designs, Inc.
 1105 REALmagic Xcard MPEG 1/2/3/4 DVD Decoder
 8300 REALmagic Hollywood Plus DVD Decoder
 8400 EM840x REALmagic DVD/MPEG-2 Audio/Video
 Decoder
 8401 EM8401 REALmagic DVD/MPEG-2 A/V Decoder
 8470 EM8470 REALmagic DVD/MPEG-4 A/V Decoder
 8471 EM8471 REALmagic DVD/MPEG-4 A/V Decoder
 8475 EM8475 REALmagic DVD/MPEG-4 A/V Decoder
 1105 0001 REALmagic X-Card
 8476 EM8476 REALmagic DVD/MPEG-4 A/V Decoder
 127d 0000 CineView II
 8485 EM8485 REALmagic DVD/MPEG-4 A/V Decoder
 8486 EM8486 REALmagic DVD/MPEG-4 A/V Decoder
 1106 VIA Technologies, Inc.
 0102 Embedded VIA Ethernet Controller
 0130 VT6305 1394.A Controller
 0198 P4X600 Host Bridge
 0204 K8M800 Host Bridge
 0208 PT890 Host Bridge
 0238 K8T890 Host Bridge
 0258 PT880 Host Bridge
 0259 CN400/PM880 Host Bridge
 0269 KT880 Host Bridge
 0282 K8T800Pro Host Bridge
 1043 80a3 A8V Deluxe
 0290 K8M890 Host Bridge
 0293 PM896 Host Bridge
 0296 P4M800 Host Bridge
 0305 VT8363/8365 [KT133/KM133]
 1019 0987 K7VZA Mainboard
 1043 8033 A7V Mainboard

1043 803e A7V-E Mainboard
 1043 8042 A7V133/A7V133-C Mainboard
 147b a401 KT7/KT7-RAID/KT7A/KT7A-RAID
 Mainboard
 0308 PT894 Host Bridge
 0314 CN700/VN800/P4M800CE/Pro Host Bridge
 0324 CX700 Host Bridge
 0327 P4M890 Host Bridge
 0336 K8M890CE Host Bridge
 0340 PT900 Host Bridge
 0351 VT3351 Host Bridge
 0364 P4M900 Host Bridge
 1043 81ce P5VD2-VM motherboard
 0391 VT8371 [KX133]
 0501 VT8501 [Apollo MVP4]
 0505 VT82C505
 # Shares chip with :0576. The VT82C576M has :1571 instead of :0561.
 0561 VT82C576MV
 0571 VT82C586A/B/VT82C686/A/B/VT823x/A/C PIPC Bus Master IDE
 1019 0985 P6VXA Motherboard
 1019 0a81 L7VTA v1.0 Motherboard (KT400-8235)
 1043 8052 VT8233A Bus Master ATA100/66/33 IDE
 1043 808c A7V8X / A7V333 motherboard
 1043 80a1 A7V8X-X motherboard rev. 1.01
 1043 80ed A7V600/K8V-X/A8V Deluxe motherboard
 1106 0571 VT82C586/B/VT82C686/A/B/VT8233/A/C/VT8235 PIPC Bus Master IDE
 1179 0001 Magnia Z310
 1297 f641 FX41 motherboard
 1458 5002 GA-7VAX Mainboard
 1462 7020 K8T NEO 2 motherboard
 1462 7094 K8T Neo2-F V2.0
 1462 7181 K8MM3-V mainboard
 147b
 1407 KV8-MAX3 motherboard
 1849 0571 K7VT2/K7VT6 motherboard
 0576 VT82C576 3V [Apollo Master]
 0585 VT82C585VP [Apollo VP1/VPX]
 0586 VT82C586/A/B PCI-to-ISA [Apollo VP]
 1106 0000 MVP3 ISA Bridge
 0591 VT8237A SATA 2-Port Controller
 0595 VT82C595 [Apollo VP2]
 0596 VT82C596 ISA [Mobile South]
 1106 0000 VT82C596/A/B PCI to ISA Bridge
 1458 0596 VT82C596/A/B PCI to ISA Bridge
 0597 VT82C597 [Apollo VP3]
 0598 VT82C598 [Apollo MVP3]
 0601 VT8601 [Apollo ProMedia]
 0605 VT8605 [ProSavage PM133]

1043 802c CUV4X mainboard
0680 VT82C680 [Apollo P6]
0686 VT82C686 [Apollo Super South]
1019 0985 P6VXA Motherboard
1043 802c CUV4X mainboard
1043 8033 A7V Mainboard
1043 803e A7V-E Mainboard
1043 8040 A7M266 Mainboard
1043 8042 A7V133/A7V133-C Mainboard
1106 0000 VT82C686/A PCI to ISA Bridge
1106 0686 VT82C686/A PCI to ISA Bridge
1179 0001 Magnia Z310
147b a702 KG7-Lite Mainboard
0691 VT82C693A/694x [Apollo PRO133x]
1019
0985 P6VXA Motherboard
1179 0001 Magnia Z310
1458 0691 VT82C691 Apollo Pro System Controller
0693 VT82C693 [Apollo Pro Plus]
0698 VT82C693A [Apollo Pro133 AGP]
0926 VT82C926 [Amazon]
1000 VT82C570MV
1106 VT82C570MV
1204 K8M800 Host Bridge
1208 PT890 Host Bridge
1238 K8T890 Host Bridge
1258 PT880 Host Bridge
1259 CN400/PM880 Host Bridge
1269 KT880 Host Bridge
1282 K8T800Pro Host Bridge
1290 K8M890 Host Bridge
1293 PM896 Host Bridge
1296 P4M800 Host Bridge
1308 PT894 Host Bridge
1314 CN700/VN800/P4M800CE/Pro Host Bridge
1324 CX700 Host Bridge
1327 P4M890 Host Bridge
1336 K8M890CE Host Bridge
1340 PT900 Host Bridge
1351 VT3351 Host Bridge
1364 P4M900 Host Bridge
1571 VT82C576M/VT82C586
1595 VT82C595/97 [Apollo VP2/97]
2106 VIA Rhine Family Fast Ethernet Adapter (VT6105)
2204 K8M800 Host Bridge
2208 PT890 Host Bridge
2238 K8T890 Host Bridge
2258 PT880 Host Bridge

2259 CN400/PM880 Host Bridge
 2269 KT880 Host Bridge
 2282
 K8T800Pro Host Bridge
 2290 K8M890 Host Bridge
 2293 PM896 Host Bridge
 2296 P4M800 Host Bridge
 2308 PT894 Host Bridge
 2314 CN700/VN800/P4M800CE/Pro Host Bridge
 2324 CX700 Host Bridge
 2327 P4M890 Host Bridge
 2336 K8M890CE Host Bridge
 2340 PT900 Host Bridge
 2351 VT3351 Host Bridge
 2364 P4M900 Host Bridge
 287a VT8251 PCI to PCI Bridge
 287b VT8251 Host Bridge
 287c VT8251 PCIE Root Port
 287d VT8251 PCIE Root Port
 287e VT8251 Ultra VLINK Controller
 3022 CLE266
 3038 VT82xxxxx UHCI USB 1.1 Controller
 0925 1234 USB Controller
 1019 0985 P6VXA Motherboard
 1019 0a81 L7VTA v1.0 Motherboard (KT400-8235)
 1043 8080 A7V333 motherboard
 1043 808c VT6202 USB2.0 4 port controller
 1043 80a1 A7V8X-X motherboard
 1043 80ed A7V600/K8V-X/A8V Deluxe motherboard
 1179 0001 Magnia Z310
 1458 5004 GA-7VAX Mainboard
 1462 7020 K8T NEO 2 motherboard
 1462 7094 K8T Neo2-F V2.0
 1462 7181 K8MM3-V mainboard
 147b 1407 KV8-MAX3 motherboard
 182d 201d
 CN-029 USB2.0 4 port PCI Card
 1849 3038 K7VT6
 3040 VT82C586B ACPI
 3043 VT86C100A [Rhine]
 10bd 0000 VT86C100A Fast Ethernet Adapter
 1106 0100 VT86C100A Fast Ethernet Adapter
 1186 1400 DFE-530TX rev A
 3044 IEEE 1394 Host Controller
 1025 005a TravelMate 290
 1043 808a A8V Deluxe or A8N-VM CSM Mainboard
 1458 1000 GA-7VT600-1394 Motherboard
 1462 207d K8NGM2 series motherboard

1462 702d K8T NEO 2 motherboard
1462 971d MS-6917
3050 VT82C596 Power Management
3051 VT82C596 Power Management
3053 VT6105M [Rhine-III]
3057 VT82C686 [Apollo Super ACPI]
1019 0985 P6VXA Motherboard
1019 0987 K7VZA Motherboard
1043 8033 A7V Mainboard
1043 803e A7V-E Mainboard
1043 8040 A7M266 Mainboard
1043 8042 A7V133/A7V133-C Mainboard
1179 0001 Magnia Z310
3058 VT82C686 AC97 Audio Controller
0e11 0097 SoundMax Digital Integrated Audio
0e11 b194 Soundmax integrated digital audio
1019 0985 P6VXA Motherboard
1019 0987 K7VZA Motherboard
1043
1106 A7V133/A7V133-C Mainboard
1106 4511 Onboard Audio on EP7KXA
1458 7600 Onboard Audio
1462 3091 MS-6309 Onboard Audio
1462 3300 MS-6330 Onboard Audio
15dd 7609 Onboard Audio
3059 VT8233/A/8235/8237 AC97 Audio Controller
1019 0a81 L7VTA v1.0 Motherboard (KT400-8235)
1043 8095 A7V8X Motherboard (Realtek ALC650 codec)
1043 80a1 A7V8X-X Motherboard
1043 80b0 A7V600/K8V-X/K8V Deluxe motherboard (ADI AD1980 codec [SoundMAX])
1043 812a A8V Deluxe motherboard (Realtek ALC850 codec)
10ec 8168 High Definition Audio
1106 3059 L7VMM2 Motherboard
1106 4161 K7VT2 motherboard
1106 4170 PCPartner P4M800-8237R Motherboard
1106 4552 Soyo KT-600 Dragon Plus (Realtek ALC 650)
1297 c160 FX41 motherboard (Realtek ALC650 codec)
1413 147b KV8 Pro motherboard onboard audio
1458 a002 GA-7VAX Onboard Audio (Realtek ALC650)
1462 0080 K8T NEO 2 motherboard
1462 3800 KT266 onboard audio
1462 7181 K8MM3-V mainboard
147b 1407 KV8-MAX3 motherboard
1849
0850 ASRock 775Dual-880 Pro onboard audio (Realtek ALC850)
1849 9761 K7VT6 motherboard
4005 4710 MSI K7T266 Pro2-RU (MSI-6380 v2) onboard audio (Realtek/ALC 200/200P)
a0a0 01b6 AK77-8XN onboard audio

a0a0 0342 AK86-L motherboard
3065 VT6102 [Rhine-II]
1043 80a1 A7V8X-X Motherboard
1106 0102 VT6102 [Rhine II] Embedded Ethernet Controller on VT8235
1186 1400 DFE-530TX rev A
1186 1401 DFE-530TX rev B
13b9 1421 LD-10/100AL PCI Fast Ethernet Adapter (rev.B)
1462 7181 K8MM3-V mainboard
147b 1c09 NV7 Motherboard
1695 3005 VT6103
1695 300c Realtek ALC655 sound chip
1849 3065 K7VT6 motherboard
This hosts more than just the Intel 537 codec, it also hosts Pctel (SIL33) and SmartLink (SIL34) codecs
3068 AC'97 Modem Controller
1462 309e MS-6309 Saturn Motherboard
3074 VT8233 PCI to ISA Bridge
1043 8052 VT8233A
3091 VT8633 [Apollo Pro266]
3099 VT8366/A/7 [Apollo KT266/A/333]
1043 8064 A7V266-E Mainboard
1043 807f A7V333 Mainboard
1849
3099 K7VT2 motherboard
3101 VT8653 Host Bridge
3102 VT8662 Host Bridge
3103 VT8615 Host Bridge
3104 USB 2.0
1019 0a81 L7VTA v1.0 Motherboard (KT400-8235)
1043 808c A7V8X motherboard
1043 80a1 A7V8X-X motherboard rev 1.01
1043 80ed A7V600/K8V-X/A8V Deluxe motherboard
1297 f641 FX41 motherboard
1458 5004 GA-7VAX Mainboard
1462 7020 K8T NEO 2 motherboard
1462 7094 K8T Neo2-F V2.0
1462 7181 K8MM3-V mainboard
147b 1407 KV8-MAX3 motherboard
182d 201d CN-029 USB 2.0 4 port PCI Card
1849 3104 K7VT6 motherboard
3106 VT6105 [Rhine-III]
1186 1403 DFE-530TX rev C
3108 S3 Unichrome Pro VGA Adapter
3109 VT8233C PCI to ISA Bridge
3112 VT8361 [KLE133] Host Bridge
3113 VPX/VPX2 PCI to PCI Bridge Controller
3116 VT8375 [KM266/KL266] Host Bridge
1297 f641 FX41 motherboard
3118 S3 Unichrome Pro VGA Adapter

3119 VT6120/VT6121/VT6122 Gigabit Ethernet Adapter
 3122 VT8623 [Apollo CLE266] integrated CastleRock graphics
 3123 VT8623
 [Apollo CLE266]
 3128 VT8753 [P4X266 AGP]
 3133 VT3133 Host Bridge
 3147 VT8233A ISA Bridge
 1043 808c A7V333 motherboard
 3148 P4M266 Host Bridge
 3149 VIA VT6420 SATA RAID Controller
 1043 80ed A7V600/K8V Deluxe/K8V-X/A8V Deluxe motherboard
 1458 b003 GA-7VM400AM(F) Motherboard
 1462 7020 K8T Neo 2 Motherboard
 1462 7094 K8T Neo2-F V2.0
 147b 1407 KV8-MAX3 motherboard
 147b 1408 KV7
 1849 3149 K7VT6 motherboard
 a0a0 04ad AK86-L motherboard
 3156 P/KN266 Host Bridge
 3157 CX700M2 UniChrome PRO II Graphics
 3164 VT6410 ATA133 RAID controller
 1043 80f4 P4P800 Mainboard Deluxe ATX
 1462 7028 915P/G Neo2
 3168 VT8374 P4X400 Host Controller/AGP Bridge
 3177 VT8235 ISA Bridge
 1019 0a81 L7VTA v1.0 Motherboard (KT400-8235)
 1043 808c A7V8X motherboard
 1043 80a1 A7V8X-X motherboard
 1297 f641 FX41 motherboard
 1458 5001 GA-7VAX Mainboard
 1849 3177 K7VT2 motherboard
 3178 ProSavageDDR P4N333 Host Bridge
 3188 VT8385 [K8T800 AGP] Host Bridge
 1043
 80a3 K8V Deluxe/K8V-X motherboard
 147b 1407 KV8-MAX3 motherboard
 3189 VT8377 [KT400/KT600 AGP] Host Bridge
 1043 807f A7V8X motherboard
 1458 5000 GA-7VAX Mainboard
 1849 3189 K7VT6 motherboard
 3204 K8M800 Host Bridge
 3205 VT8378 [KM400/A] Chipset Host Bridge
 1458 5000 GA-7VM400M Motherboard
 3208 PT890 Host Bridge
 3213 VPX/VPX2 PCI to PCI Bridge Controller
 3218 K8T800M Host Bridge
 3227 VT8237 ISA bridge [KT600/K8T800/K8T890 South]
 1043 80ed A7V600/K8V-X/A8V Deluxe motherboard

1106 3227 DFI KT600-AL / Soltek SL-B9D-FGR Motherboard
1458 5001 GA-7VT600 Motherboard
147b 1407 KV8-MAX3 motherboard
1849 3227 K7VT4 motherboard
3230 K8M890 [Chrome9] Integrated Video
3238 K8T890 Host Bridge
3249 VT6421 IDE RAID Controller
324a CX700 PCI to PCI Bridge
324b CX700 Host Bridge
324e CX700 Internal Module Bus
3258 PT880 Host Bridge
3259 CN400/PM880 Host Bridge
3260 VIA Chrome9 HC IGP
3269 KT880 Host Bridge
3282 K8T800Pro Host Bridge
3287
VT8251 PCI to ISA Bridge
3288 VIA High Definition Audio Controller
3290 K8M890 Host Bridge
3296 P4M800 Host Bridge
3324 CX700 Host Bridge
3327 P4M890 Host Bridge
3336 K8M890CE Host Bridge
3337 VT8237A PCI to ISA Bridge
3340 PT900 Host Bridge
3343 UniChrome Pro IGP [VIA P4M890 Chipset]
3344 UniChrome Pro IGP
3349 VT8251 AHCI/SATA 4-Port Controller
3351 VT3351 Host Bridge
3364 P4M900 Host Bridge
3371 Chrome9 HC IGP
3372 VT8237S PCI to ISA Bridge
337a VT8237A PCI to PCI Bridge
337b VT8237A Host Bridge
4149 VIA VT6420 (ATA133) Controller
4204 K8M800 Host Bridge
4208 PT890 Host Bridge
4238 K8T890 Host Bridge
4258 PT880 Host Bridge
4259 CN400/PM880 Host Bridge
4269 KT880 Host Bridge
4282 K8T800Pro Host Bridge
4290 K8M890 Host Bridge
4293 PM896 Host Bridge
4296 P4M800 Host Bridge
4308 PT894 Host Bridge
4314 CN700/VN800/P4M800CE/Pro Host Bridge
4324 CX700 Host Bridge

4327 P4M890 Host Bridge
4336 K8M890CE Host Bridge
4340
PT900 Host Bridge
4351 VT3351 Host Bridge
4364 P4M900 Host Bridge
5030 VT82C596 ACPI [Apollo PRO]
5208 PT890 I/O APIC Interrupt Controller
5238 K8T890 I/O APIC Interrupt Controller
5290 K8M890 I/O APIC Interrupt Controller
5308 PT894 I/O APIC Interrupt Controller
5324 CX700M2 IDE
5327 P4M890 I/O APIC Interrupt Controller
5336 K8M890CE I/O APIC Interrupt Controller
5340 PT900 I/O APIC Interrupt Controller
5351 VT3351 I/O APIC Interrupt Controller
5364 P4M900 I/O APIC Interrupt Controller
6100 VT85C100A [Rhine II]
6287 SATA RAID Controller
6327 P4M890 Security Device
6364 P4M900 Security Device
7204 K8M800 Host Bridge
7205 VT8378 [S3 UniChrome] Integrated Video
1458 d000 Gigabyte GA-7VM400(A)M(F) Motherboard
7208 PT890 Host Bridge
7238 K8T890 Host Bridge
7258 PT880 Host Bridge
7259 CN400/PM880 Host Bridge
7269 KT880 Host Bridge
7282 K8T800Pro Host Bridge
7290 K8M890 Host Bridge
7293 PM896 Host Bridge
7296 P4M800 Host Bridge
7308
PT894 Host Bridge
7314 CN700/VN800/P4M800CE/Pro Host Bridge
7324 CX700 Host Bridge
7327 P4M890 Host Bridge
7336 K8M890CE Host Bridge
7340 PT900 Host Bridge
7351 VT3351 Host Bridge
7364 P4M900 Host Bridge
8231 VT8231 [PCI-to-ISA Bridge]
8235 VT8235 ACPI
8305 VT8363/8365 [KT133/KM133 AGP]
8324 CX700 PCI to ISA Bridge
8391 VT8371 [KX133 AGP]
8501 VT8501 [Apollo MVP4 AGP]

8596 VT82C596 [Apollo PRO AGP]
 8597 VT82C597 [Apollo VP3 AGP]
 8598 VT82C598/694x [Apollo MVP3/Pro133x AGP]
 1019 0985 P6VXA Motherboard
 8601 VT8601 [Apollo ProMedia AGP]
 8605 VT8605 [PM133 AGP]
 8691 VT82C691 [Apollo Pro]
 8693 VT82C693 [Apollo Pro Plus] PCI Bridge
 a208 PT890 PCI to PCI Bridge Controller
 a238 K8T890 PCI to PCI Bridge Controller
 a327 P4M890 PCI to PCI Bridge Controller
 a364 P4M900 PCI to PCI Bridge Controller
 b091 VT8633 [Apollo Pro266 AGP]
 b099 VT8366/A/7 [Apollo KT266/A/333 AGP]
 b101 VT8653 AGP Bridge
 b102 VT8362 AGP Bridge
 b103 VT8615 AGP Bridge
 b112
 VT8361 [KLE133] AGP Bridge
 b113 VPX/VPX2 I/O APIC Interrupt Controller
 b115 VT8363/8365 [KT133/KM133] PCI Bridge
 b168 VT8235 PCI Bridge
 b188 VT8237 PCI bridge [K8T800/K8T890 South]
 147b 1407 KV8-MAX3 motherboard
 b198 VT8237 PCI Bridge
 b213 VPX/VPX2 I/O APIC Interrupt Controller
 b999 [K8T890 North / VT8237 South] PCI Bridge
 c208 PT890 PCI to PCI Bridge Controller
 c238 K8T890 PCI to PCI Bridge Controller
 c327 P4M890 PCI to PCI Bridge Controller
 c340 PT900 PCI to PCI Bridge Controller
 c364 P4M900 PCI to PCI Bridge Controller
 d104 VT8237 Integrated Fast Ethernet Controller
 d208 PT890 PCI to PCI Bridge Controller
 d213 VPX/VPX2 PCI to PCI Bridge Controller
 d238 K8T890 PCI to PCI Bridge Controller
 d340 PT900 PCI to PCI Bridge Controller
 e208 PT890 PCI to PCI Bridge Controller
 e238 K8T890 PCI to PCI Bridge Controller
 e340 PT900 PCI to PCI Bridge Controller
 f208 PT890 PCI to PCI Bridge Controller
 f238 K8T890 PCI to PCI Bridge Controller
 f340
 PT900 PCI to PCI Bridge Controller
 1107 Stratus Computers
 0576 VIA VT82C570MV [Apollo] (Wrong vendor ID!)
 1108 Proteon, Inc.
 0100 p1690plus_AA

0101 p1690plus_AB
 0105 P1690Plus
 0108 P1690Plus
 0138 P1690Plus
 0139 P1690Plus
 013c P1690Plus
 013d P1690Plus
 1109 Cogent Data Technologies, Inc.
 1400 EM110TX [EX110TX]
 110a Siemens Nixdorf AG
 0002 Pirahna 2-port
 0005 Tulip controller, power management, switch extender
 0006 FSC PINC (I/O-APIC)
 0015 FSC Multiprocessor Interrupt Controller
 001d FSC Copernicus Management Controller
 007b FSC Remote Service Controller, mailbox device
 007c FSC Remote Service Controller, shared memory device
 007d FSC Remote Service Controller, SMIC device
 2101 HST SAPHIR V Primary PCI (ISDN/PMx)
 # Superfastcom-PCI (Commtech, Inc.) or DSCC4 WAN Adapter
 2102 DSCC4 PEB/PEF 20534 DMA Supported Serial Communication Controller with 4 Channels
 2104 Eicon Diva 2.02 compatible passive ISDN card
 3142 SIMATIC NET CP 5613A1 (Profibus Adapter)
 4021 SIMATIC NET CP 5512 (Profibus and MPI Cardbus Adapter)
 4029 SIMATIC NET CP 5613A2 (Profibus Adapter)
 4942 FPGA I-Bus Tracer for MBD
 6120 SZB6120
 110b Chromatic Research Inc.
 0001 Mpact Media Processor
 0004 Mpact 2
 110c Mini-Max Technology, Inc.
 110d Znyx Advanced Systems
 110e CPU Technology
 110f Ross Technology
 1110 Powerhouse Systems
 6037 Firepower Powerized SMP I/O ASIC
 6073 Firepower Powerized SMP I/O ASIC
 1111 Santa Cruz Operation
 # Also claimed to be RNS or Rockwell International, current PCISIG records list Osicom
 1112 Osicom Technologies Inc
 2200 FDDI Adapter
 2300 Fast Ethernet Adapter
 2340 4 Port Fast Ethernet Adapter
 2400 ATM Adapter
 1113 Accton Technology Corporation
 1211 SMC2-1211TX
 103c 1207 EN-1207D Fast Ethernet Adapter

1113 1211 EN-1207D Fast Ethernet Adapter
 1216 EN-1216 Ethernet Adapter
 1113 2242 EN2242 10/100 Ethernet Mini-PCI Card
 111a 1020 SpeedStream 1020 PCI 10/100 Ethernet Adaptor [EN-1207F-TX
 ?]
 1217 EN-1217 Ethernet Adapter
 5105 10Mbps Network card
 9211 EN-1207D Fast Ethernet Adapter
 1113 9211 EN-1207D Fast Ethernet Adapter
 9511 21x4x DEC-Tulip compatible Fast Ethernet
 d301 CPWNA100 (Philips wireless PCMCIA)
 ec02 SMC 1244TX v3
 1114 Atmel Corporation
 0506 at76c506 802.11b Wireless Network Adaptor
 1115 3D Labs
 1116 Data Translation
 0022 DT3001
 0023 DT3002
 0024 DT3003
 0025 DT3004
 0026 DT3005
 0027 DT3001-PGL
 0028 DT3003-PGL
 1117 Datacube, Inc
 9500 Max-1C SVGA card
 9501 Max-1C image processing
 1118 Berg Electronics
 1119 ICP Vortex Computersysteme GmbH
 0000 GDT 6000/6020/6050
 0001 GDT 6000B/6010
 0002 GDT 6110/6510
 0003 GDT 6120/6520
 0004 GDT 6530
 0005 GDT 6550
 0006 GDT 6117/6517
 0007 GDT 6127/6527
 0008 GDT 6537
 0009 GDT 6557/6557-ECC
 000a GDT 6115/6515
 000b GDT 6125/6525
 000c GDT 6535
 000d GDT 6555/6555-ECC
 0100 GDT 6117RP/6517RP
 0101 GDT 6127RP/6527RP
 0102 GDT 6537RP
 0103 GDT 6557RP
 0104 GDT 6111RP/6511RP
 0105

GDT 6121RP/6521RP
0110 GDT 6117RD/6517RD
0111 GDT 6127RD/6527RD
0112 GDT 6537RD
0113 GDT 6557RD
0114 GDT 6111RD/6511RD
0115 GDT 6121RD/6521RD
0118 GDT 6118RD/6518RD/6618RD
0119 GDT 6128RD/6528RD/6628RD
011a GDT 6538RD/6638RD
011b GDT 6558RD/6658RD
0120 GDT 6117RP2/6517RP2
0121 GDT 6127RP2/6527RP2
0122 GDT 6537RP2
0123 GDT 6557RP2
0124 GDT 6111RP2/6511RP2
0125 GDT 6121RP2/6521RP2
0136 GDT 6113RS/6513RS
0137 GDT 6123RS/6523RS
0138 GDT 6118RS/6518RS/6618RS
0139 GDT 6128RS/6528RS/6628RS
013a GDT 6538RS/6638RS
013b GDT 6558RS/6658RS
013c GDT 6533RS/6633RS
013d GDT 6543RS/6643RS
013e GDT 6553RS/6653RS
013f GDT 6563RS/6663RS
0166 GDT 7113RN/7513RN/7613RN
0167 GDT 7123RN/7523RN/7623RN
0168 GDT 7118RN/7518RN/7618RN
0169 GDT 7128RN/7528RN/7628RN
016a GDT 7538RN/7638RN
016b GDT 7558RN/7658RN
016c GDT 7533RN/7633RN
016d GDT 7543RN/7643RN
016e GDT 7553RN/7653RN
016f GDT 7563RN/7663RN
01d6 GDT 4x13RZ
01d7 GDT 4x23RZ
01f6
GDT 8x13RZ
01f7 GDT 8x23RZ
01fc GDT 8x33RZ
01fd GDT 8x43RZ
01fe GDT 8x53RZ
01ff GDT 8x63RZ
0210 GDT 6519RD/6619RD
0211 GDT 6529RD/6629RD

0260 GDT 7519RN/7619RN
 0261 GDT 7529RN/7629RN
 02ff GDT MAXRP
 0300 GDT NEWRX
 0301 GDT NEWRX2
 111a Efficient Networks, Inc
 0000 155P-MF1 (FPGA)
 0002 155P-MF1 (ASIC)
 0003 ENI-25P ATM
 111a 0000 ENI-25p Miniport ATM Adapter
 0005 SpeedStream (LANAI)
 111a 0001 ENI-3010 ATM
 111a 0009 ENI-3060 ADSL (VPI=0)
 111a 0101 ENI-3010 ATM
 111a 0109 ENI-3060CO ADSL (VPI=0)
 111a 0809 ENI-3060 ADSL (VPI=0 or 8)
 111a 0909 ENI-3060CO ADSL (VPI=0 or 8)
 111a 0a09 ENI-3060 ADSL (VPI=<0..15>)
 0007 SpeedStream ADSL
 111a 1001 ENI-3061 ADSL [ASIC]
 1203 SpeedStream 1023 Wireless PCI Adapter
 111b Teledyne Electronic Systems
 111c Tricord Systems Inc.
 0001 Powerbis Bridge
 111d Integrated Device Technology, Inc.
 0001 IDT77201/77211 155Mbps ATM SAR Controller [NICStAR]
 0003 IDT77222/77252 155Mbps ATM MICRO
 ABR SAR Controller
 0004 IDT77V252 155Mbps ATM MICRO ABR SAR Controller
 0005 IDT77V222 155Mbps ATM MICRO ABR SAR Controller
 111e Eldec
 111f Precision Digital Images
 4a47 Precision MX Video engine interface
 5243 Frame capture bus interface
 1120 EMC Corporation
 1121 Zilog
 1122 Multi-tech Systems, Inc.
 1123 Excellent Design, Inc.
 1124 Leutron Vision AG
 2581 Picport Monochrome
 1125 Eurocore
 1126 Vigra
 1127 FORE Systems Inc
 0200 ForeRunner PCA-200 ATM
 0210 PCA-200PC
 0250 ATM
 0300 ForeRunner PCA-200EPC ATM
 0310 ATM

0400 ForeRunnerHE ATM Adapter
 1127 0400 ForeRunnerHE ATM
 1129 Firmworks
 112a Hermes Electronics Company, Ltd.
 112b Linotype - Hell AG
 112c Zenith Data Systems
 112d Ravicad
 112e Infomedia Microelectronics Inc.
 112f Imaging Technology Inc
 0000 MVC IC-PCI
 0001 MVC IM-PCI Video frame grabber/processor
 0008 PC-CamLink PCI framegrabber
 1130 Computervision
 1131 Philips Semiconductors
 1561 USB 1.1 Host Controller
 1775 c200 C2K onboard
 USB 1.1 host controller
 1562 USB 2.0 Host Controller
 1775 c200 C2K onboard USB 2.0 host controller
 3400 SmartPCI56(UCB1500) 56K Modem
 5400 TriMedia TM1000/1100
 5402 TriMedia TM-1300
 1244 0f00 Fritz!Card DSL
 5405 TriMedia TM1500
 5406 TriMedia TM1700
 7130 SAA7130 Video Broadcast Decoder
 102b 48d0 Matrox CronosPlus
 1048 226b ELSA EX-VISION 300TV
 1131 2001 10MOONS PCI TV CAPTURE CARD
 1131 2005 Techcom (India) TV Tuner Card (SSD-TV-670)
 1461 050c Nagase Sangyo TransGear 3000TV
 1461 10ff AVerMedia DVD EZMaker
 1461 2108 AVerMedia AverTV/305
 1461 2115 AVerMedia AverTV Studio 305
 153b 1152 Terratec Cinergy 200 TV
 185b c100 Compro VideoMate TV PVR/FM
 185b c901 Videomate DVB-T200
 5168 0138 LifeView FlyVIDEO2000
 7133 SAA7133/SAA7135 Video Broadcast Decoder
 0000 4091 Beholder BeholdTV 409 FM
 1019 4cb5 Elitegroup ECS TVP3XP FM1236 Tuner Card (NTSC,FM)
 1043 0210 FlyTV mini Asus Digimatrix
 1043 4843 ASUS TV-FM 7133
 1043 4845
 TV-FM 7135
 1043 4862 P7131 Dual
 1131 0000 KWorld V-Stream Studio TV Terminator
 1131 2001 Proteus Pro [philips reference design]

1131 2018 Tiger reference design
 1131 4ee9 MonsterTV Mobile
 11bd 002b PCTV Stereo
 11bd 002e PCTV 110i (saa7133)
 12ab 0800 PURPLE TV
 1421 0335 Instant TV DVB-T Cardbus
 1421 1370 Instant TV (saa7135)
 1435 7330 VFG7330
 1435 7350 VFG7350
 1461 1044 AVerTVHD MCE A180
 1461 a14b AVerTV Studio 509
 1461 f31f Avermedia AVerTV GO 007 FM
 1462 6231 TV@Anywhere plus
 1489 0214 LifeView FlyTV Platinum FM
 14c0 1212 LifeView FlyTV Platinum Mini2
 153b 1160 Cinergy 250 PCI TV
 153b 1162 Terratec Cinergy 400 mobile
 17de 7350 ATSC 110 Digital / Analog HDTV Tuner
 185b c100 VideoMate TV
 185b c900 VideoMate T750
 5168 0306 LifeView FlyDVB-T DUO
 5168 0319 LifeView FlyDVB Trio
 5168 0502 LifeView FlyDVB-T Duo CardBus
 5168 0520 LifeView FlyDVB Trio CardBus
 5168 1502 LifeView FlyTV CardBus
 5168 2502 LifeView
 FlyDVB-T CardBus
 5168 2520 LifeView FlyDVB-S Duo CardBus
 5168 3502 LifeView FlyDVB-T Hybrid CardBus
 5168 3520 LifeView FlyDVB Trio N CardBus
 7134 SAA7134/SAA7135HL Video Broadcast Decoder
 1019 4cb4 Elitetgroup ECS TVP3XP FM1216 Tuner Card(PAL-BG,FM)
 1043 0210 Digimatrix TV
 1043 4840 ASUS TV-FM 7134
 1043 4842 TV-FM 7134
 1131 2004 EUROPA V3 reference design
 1131 4e85 SKNet Monster TV
 1131 6752 EMPRESS
 11bd 002b PCTV Stereo
 11bd 002d PCTV 300i DVB-T + PAL
 1461 2c00 AVerTV Hybrid+FM PCI
 1461 9715 AVerTV Studio 307
 1461 a70a Avermedia AVerTV 307
 1461 a70b AverMedia M156 / Medion 2819
 1461 d6ee Cardbus TV/Radio (E500)
 1471 b7e9 AVerTV Cardbus plus
 153b 1142 Terratec Cinergy 400 TV
 153b 1143 Terratec Cinergy 600 TV

153b 1158 Terratec Cinergy 600 TV MK3
 1540 9524 ProVideo PV952
 16be 0003 Medion 7134
 185b c200 Compro VideoMate Gold+ Pal
 185b c900 Videomate DVB-T300
 1894 a006 KNC One TV-Station DVR
 1894 fe01 KNC
 One TV-Station RDS / Typhoon TV Tuner RDS
 7145 SAA7145
 7146 SAA7146
 110a 0000 Fujitsu/Siemens DVB-C card rev1.5
 110a ffff Fujitsu/Siemens DVB-C card rev1.5
 1131 4f56 KNC1 DVB-S Budget
 1131 4f60 Fujitsu-Siemens Activy DVB-S Budget Rev AL
 1131 4f61 Activy DVB-S Budget Rev GR
 1131 5f61 Activy DVB-T Budget
 114b 2003 DVRaptor Video Edit/Capture Card
 11bd 0006 DV500 Overlay
 11bd 000a DV500 Overlay
 11bd 000f DV500 Overlay
 13c2 0000 Siemens/Technotrend/Hauppauge DVB card rev1.3 or rev1.5
 13c2 0001 Technotrend/Hauppauge DVB card rev1.3 or rev1.6
 13c2 0002 Technotrend/Hauppauge DVB card rev2.1
 13c2 0003 Technotrend/Hauppauge DVB card rev2.1
 13c2 0004 Technotrend/Hauppauge DVB card rev2.1
 13c2 0006 Technotrend/Hauppauge DVB card rev1.3 or rev1.6
 13c2 0008 Technotrend/Hauppauge DVB-T
 13c2 000a Octal/Technotrend DVB-C for iTV
 13c2 1003 Technotrend-Budget/Hauppauge WinTV-NOVA-S DVB card
 13c2 1004 Technotrend-Budget/Hauppauge WinTV-NOVA-C
 DVB card
 13c2 1005 Technotrend-Budget/Hauppauge WinTV-NOVA-T DVB card
 13c2 100c Technotrend-Budget/Hauppauge WinTV-NOVA-CI DVB card
 13c2 100f Technotrend-Budget/Hauppauge WinTV-NOVA-CI DVB card
 13c2 1011 Technotrend-Budget/Hauppauge WinTV-NOVA-T DVB card
 13c2 1012 DVB T-1500
 13c2 1013 SATELCO Multimedia DVB
 13c2 1016 WinTV-NOVA-SE DVB card
 13c2 1018 DVB S-1401
 13c2 1019 S2-3200
 13c2 1102 Technotrend/Hauppauge DVB card rev2.1
 153b 1156 Terratec Cynergy 1200C
 1894 0020 KNC One DVB-C V1.0
 9730 SAA9730 Integrated Multimedia and Peripheral Controller
 1131 0000 Integrated Multimedia and Peripheral Controller
 1132 Mitel Corp.
 1133 Eicon Networks Corporation
 7901 EiconCard S90

7902 EiconCard S90
7911 EiconCard S91
7912 EiconCard S91
7941 EiconCard S94
7942 EiconCard S94
7943 EiconCard S94
7944 EiconCard S94
b921 EiconCard P92
b922 EiconCard P92
b923 EiconCard P92
e001 Diva Pro 2.0 S/T
e002 Diva 2.0 S/T PCI
e003 Diva Pro 2.0
U
e004 Diva 2.0 U PCI
e005 Diva 2.01 S/T PCI
e006 Diva CT S/T PCI
e007 Diva CT U PCI
e008 Diva CT Lite S/T PCI
e009 Diva CT Lite U PCI
e00a Diva ISDN+V.90 PCI
e00b Diva 2.02 PCI S/T
e00c Diva 2.02 PCI U
e00d Diva ISDN Pro 3.0 PCI
e00e Diva ISDN+CT S/T PCI Rev 2
e010 Diva Server BRI-2M PCI
110a 0021 Fujitsu Siemens ISDN S0
e011 Diva Server BRI S/T Rev 2
e012 Diva Server 4BRI-8M PCI
e013 Diva Server 4BRI Rev 2
1133 1300 Diva Server V-4BRI-8
1133 e013 Diva Server 4BRI-8M 2.0 PCI
e014 Diva Server PRI-30M PCI
e015 DIVA Server PRI Rev 2
1133 e015 Diva Server PRI 2.0 PCI
e016 Diva Server Voice 4BRI PCI
e017 Diva Server Voice 4BRI Rev 2
1133 e017 Diva Server Voice 4BRI-8M 2.0 PCI
e018 Diva Server BRI-2M 2.0 PCI
1133 1800 Diva Server V-BRI-2
1133 e018 Diva Server BRI-2M 2.0 PCI
e019 Diva Server Voice PRI Rev 2
1133 e019 Diva Server Voice PRI 2.0 PCI
e01a Diva Server 2FX
e01b Diva Server Voice BRI-2M 2.0 PCI
1133 e01b Diva
Server Voice BRI-2M 2.0 PCI
e01c Diva Server PRI Rev 3

1133 1c01 Diva Server PRI/E1/T1-8
 1133 1c02 Diva Server PRI/T1-24
 1133 1c03 Diva Server PRI/E1-30
 1133 1c04 Diva Server PRI/E1/T1
 1133 1c05 Diva Server V-PRI/T1-24
 1133 1c06 Diva Server V-PRI/E1-30
 1133 1c07 Diva Server PRI/E1/T1-8 Cornet NQ
 1133 1c08 Diva Server PRI/T1-24 Cornet NQ
 1133 1c09 Diva Server PRI/E1-30 Cornet NQ
 1133 1c0a Diva Server PRI/E1/T1 Cornet NQ
 1133 1c0b Diva Server V-PRI/T1-24 Cornet NQ
 1133 1c0c Diva Server V-PRI/E1-30 Cornet NQ
 e01e Diva Server 2PRI
 e020 Diva Server 4PRI
 e022 Diva Server Analog-2P
 e024 Diva Server Analog-4P
 1133 2400 Diva Server V-Analog-4P
 1133 e024 Diva Server Analog-4P
 e028 Diva Server Analog-8P
 1133 2800 Diva Server V-Analog-8P
 1133 e028 Diva Server Analog-8P
 e02a Diva Server IPM-300
 e02c Diva Server IPM-600
 e032 Diva BRI-2 PCIe r1
 1134 Mercury Computer Systems
 0001 Raceway Bridge
 0002 Dual PCI to RapidIO Bridge
 1135
 Fuji Xerox Co Ltd
 0001 Printer controller
 1136 Momentum Data Systems
 1137 Cisco Systems Inc
 1138 Ziatech Corporation
 8905 8905 [STD 32 Bridge]
 1139 Dynamic Pictures, Inc
 0001 VGA Compatable 3D Graphics
 113a FWB Inc
 113b Network Computing Devices
 113c Cyclone Microsystems, Inc.
 0000 PCI-9060 i960 Bridge
 0001 PCI-SDK [PCI i960 Evaluation Platform]
 0911 PCI-911 [i960Jx-based Intelligent I/O Controller]
 0912 PCI-912 [i960CF-based Intelligent I/O Controller]
 0913 PCI-913
 0914 PCI-914 [I/O Controller w/ secondary PCI bus]
 113d Leading Edge Products Inc
 113e Sanyo Electric Co - Computer Engineering Dept
 113f Equinox Systems, Inc.

0808 SST-64P Adapter
 1010 SST-128P Adapter
 80c0 SST-16P DB Adapter
 80c4 SST-16P RJ Adapter
 80c8 SST-16P Adapter
 8888 SST-4P Adapter
 9090 SST-8P Adapter
 1140 Intervoice Inc
 1141 Crest Microsystem Inc
 1142 Alliance Semiconductor Corporation
 3210 AP6410
 6422 ProVideo 6422
 6424 ProVideo 6424
 6425 ProMotion AT25
 643d
 ProMotion AT3D
 1143 NetPower, Inc
 1144 Cincinnati Milacron
 0001 Noservo controller
 1145 Workbit Corporation
 8007 NinjaSCSI-32 Workbit
 f007 NinjaSCSI-32 KME
 f010 NinjaSCSI-32 Workbit
 f012 NinjaSCSI-32 Logitec
 f013 NinjaSCSI-32 Logitec
 f015 NinjaSCSI-32 Melco
 f020 NinjaSCSI-32 Sony PCGA-DVD51
 1146 Force Computers
 1147 Interface Corp
 # Nee Schneider & Koch
 1148 SysKonnnect
 4000 FDDI Adapter
 0e11 b03b Netelligent 100 FDDI DAS Fibre SC
 0e11 b03c Netelligent 100 FDDI SAS Fibre SC
 0e11 b03d Netelligent 100 FDDI DAS UTP
 0e11 b03e Netelligent 100 FDDI SAS UTP
 0e11 b03f Netelligent 100 FDDI SAS Fibre MIC
 1148 5521 FDDI SK-5521 (SK-NET FDDI-UP)
 1148 5522 FDDI SK-5522 (SK-NET FDDI-UP DAS)
 1148 5541 FDDI SK-5541 (SK-NET FDDI-FP)
 1148 5543 FDDI SK-5543 (SK-NET FDDI-LP)
 1148 5544 FDDI SK-5544 (SK-NET FDDI-LP DAS)
 1148 5821 FDDI SK-5821 (SK-NET FDDI-UP64)
 1148 5822 FDDI SK-5822 (SK-NET FDDI-UP64 DAS)
 1148 5841 FDDI SK-5841 (SK-NET FDDI-FP64)
 1148
 5843 FDDI SK-5843 (SK-NET FDDI-LP64)
 1148 5844 FDDI SK-5844 (SK-NET FDDI-LP64 DAS)

4200 Token Ring adapter
 4300 SK-9872 Gigabit Ethernet Server Adapter (SK-NET GE-ZX dual link)
 1148 9821 SK-9821 Gigabit Ethernet Server Adapter (SK-NET GE-T)
 1148 9822 SK-9822 Gigabit Ethernet Server Adapter (SK-NET GE-T dual link)
 1148 9841 SK-9841 Gigabit Ethernet Server Adapter (SK-NET GE-LX)
 1148 9842 SK-9842 Gigabit Ethernet Server Adapter (SK-NET GE-LX dual link)
 1148 9843 SK-9843 Gigabit Ethernet Server Adapter (SK-NET GE-SX)
 1148 9844 SK-9844 Gigabit Ethernet Server Adapter (SK-NET GE-SX dual link)
 1148 9861 SK-9861 Gigabit Ethernet Server Adapter (SK-NET GE-SX Volition)
 1148 9862 SK-9862 Gigabit Ethernet Server Adapter (SK-NET GE-SX Volition dual link)
 1148 9871 SK-9871 Gigabit Ethernet Server Adapter (SK-NET GE-ZX)
 1148 9872 SK-9872 Gigabit Ethernet Server Adapter (SK-NET GE-ZX dual link)
 1259 2970 AT-2970SX Gigabit Ethernet Adapter
 1259 2971
 AT-2970LX Gigabit Ethernet Adapter
 1259 2972 AT-2970TX Gigabit Ethernet Adapter
 1259 2973 AT-2971SX Gigabit Ethernet Adapter
 1259 2974 AT-2971T Gigabit Ethernet Adapter
 1259 2975 AT-2970SX/2SC Gigabit Ethernet Adapter
 1259 2976 AT-2970LX/2SC Gigabit Ethernet Adapter
 1259 2977 AT-2970TX/2TX Gigabit Ethernet Adapter
 4320 SK-9871 V2.0 Gigabit Ethernet 1000Base-ZX Adapter, PCI64, Fiber ZX/SC
 1148 0121 Marvell RDK-8001 Adapter
 1148 0221 Marvell RDK-8002 Adapter
 1148 0321 Marvell RDK-8003 Adapter
 1148 0421 Marvell RDK-8004 Adapter
 1148 0621 Marvell RDK-8006 Adapter
 1148 0721 Marvell RDK-8007 Adapter
 1148 0821 Marvell RDK-8008 Adapter
 1148 0921 Marvell RDK-8009 Adapter
 1148 1121 Marvell RDK-8011 Adapter
 1148 1221 Marvell RDK-8012 Adapter
 1148 3221 SK-9521 V2.0 10/100/1000Base-T Adapter
 1148 5021 SK-9821 V2.0 Gigabit Ethernet 10/100/1000Base-T Adapter
 1148 5041 SK-9841 V2.0 Gigabit Ethernet 1000Base-LX Adapter
 1148 5043 SK-9843
 V2.0 Gigabit Ethernet 1000Base-SX Adapter
 1148 5051 SK-9851 V2.0 Gigabit Ethernet 1000Base-SX Adapter
 1148 5061 SK-9861 V2.0 Gigabit Ethernet 1000Base-SX Adapter
 1148 5071 SK-9871 V2.0 Gigabit Ethernet 1000Base-ZX Adapter
 1148 9521 SK-9521 10/100/1000Base-T Adapter
 4400 SK-9Dxx Gigabit Ethernet Adapter
 4500 SK-9Mxx Gigabit Ethernet Adapter
 9000 SK-9S21 10/100/1000Base-T Server Adapter, PCI-X, Copper RJ-45
 9843 [Fujitsu] Gigabit Ethernet
 9e00 SK-9E21D 10/100/1000Base-T Adapter, Copper RJ-45
 1148 2100 SK-9E21 Server Adapter
 1148 21d0 SK-9E21D 10/100/1000Base-T Adapter

1148 2200 SK-9E22 Server Adapter
1148 8100 SK-9E81 Server Adapter
1148 8200 SK-9E82 Server Adapter
1148 9100 SK-9E91 Server Adapter
1148 9200 SK-9E92 Server Adapter
1149 Win System Corporation
114a VMIC
5579 VMIPCI-5579 (Reflective Memory Card)
5587 VMIPCI-5587 (Reflective Memory Card)
6504 VMIC PCI 7755 FPGA
7587 VMIVME-7587
114b Canopus Co., Ltd
114c Annabooks
114d
IC Corporation
114e Nikon Systems Inc
114f Digi International
0002 AccelePort EPC
0003 RightSwitch SE-6
0004 AccelePort Xem
0005 AccelePort Xr
0006 AccelePort Xr,C/X
0009 AccelePort Xr/J
000a AccelePort EPC/J
000c DataFirePRIme T1 (1-port)
000d SyncPort 2-Port (x.25/FR)
0011 AccelePort 8r EIA-232 (IBM)
0012 AccelePort 8r EIA-422
0013 AccelePort Xr
0014 AccelePort 8r EIA-422
0015 AccelePort Xem
0016 AccelePort EPC/X
0017 AccelePort C/X
001a DataFirePRIme E1 (1-port)
001b AccelePort C/X (IBM)
001d DataFire RAS T1/E1/PRI
114f 0050 DataFire RAS E1 Adapter
114f 0051 DataFire RAS Dual E1 Adapter
114f 0052 DataFire RAS T1 Adapter
114f 0053 DataFire RAS Dual T1 Adapter
0023 AccelePort RAS
0024 DataFire RAS B4 ST/U
114f 0030 DataFire RAS BRI U Adapter
114f 0031 DataFire RAS BRI S/T Adapter
0026 AccelePort 4r 920
0027 AccelePort Xr 920
0028 ClassicBoard 4
0029 ClassicBoard 8

0034 AccelePort 2r 920
 0035 DataFire DSP T1/E1/PRI
 cPCI
 0040 AccelePort Xp
 0042 AccelePort 2p
 0043 AccelePort 4p
 0044 AccelePort 8p
 0045 AccelePort 16p
 004e AccelePort 32p
 0070 Datafire Micro V IOM2 (Europe)
 0071 Datafire Micro V (Europe)
 0072 Datafire Micro V IOM2 (North America)
 0073 Datafire Micro V (North America)
 00b0 Digi Neo 4
 00b1 Digi Neo 8
 00c8 Digi Neo 2 DB9
 00c9 Digi Neo 2 DB9 PRI
 00ca Digi Neo 2 RJ45
 00cb Digi Neo 2 RJ45 PRI
 00d0 ClassicBoard 4 422
 00d1 ClassicBoard 8 422
 6001 Avastar
 1150 Thinking Machines Corp
 1151 JAE Electronics Inc.
 1152 Megatek
 1153 Land Win Electronic Corp
 1154 Melco Inc
 1155 Pine Technology Ltd
 1156 Periscope Engineering
 1157 Avsys Corporation
 1158 Voarx R & D Inc
 3011 Tokenet/vg 1001/10m anylan
 9050 Lanfleet/Truevalue
 9051 Lanfleet/Truevalue
 1159 Mutech Corp
 0001 MV-1000
 115a Harlequin Ltd
 115b Parallax Graphics
 115c Photron Ltd.
 115d Xircom
 0003 Cardbus Ethernet 10/100
 1014 0181 10/100 EtherJet Cardbus Adapter
 1014 1181 10/100
 EtherJet Cardbus Adapter
 1014 8181 10/100 EtherJet Cardbus Adapter
 1014 9181 10/100 EtherJet Cardbus Adapter
 115d 0181 Cardbus Ethernet 10/100
 115d 0182 RealPort2 CardBus Ethernet 10/100 (R2BE-100)

115d 1181 Cardbus Ethernet 10/100
 1179 0181 Cardbus Ethernet 10/100
 8086 8181 EtherExpress PRO/100 Mobile CardBus 32 Adapter
 8086 9181 EtherExpress PRO/100 Mobile CardBus 32 Adapter
 0005 Cardbus Ethernet 10/100
 1014 0182 10/100 EtherJet Cardbus Adapter
 1014 1182 10/100 EtherJet Cardbus Adapter
 115d 0182 Cardbus Ethernet 10/100
 115d 1182 Cardbus Ethernet 10/100
 0007 Cardbus Ethernet 10/100
 1014 0182 10/100 EtherJet Cardbus Adapter
 1014 1182 10/100 EtherJet Cardbus Adapter
 115d 0182 Cardbus Ethernet 10/100
 115d 1182 Cardbus Ethernet 10/100
 000b Cardbus Ethernet 10/100
 1014 0183 10/100 EtherJet Cardbus Adapter
 115d 0183 Cardbus Ethernet 10/100
 000c Mini-PCI V.90 56k Modem
 000f Cardbus Ethernet 10/100
 1014 0183 10/100 EtherJet
 Cardbus Adapter
 115d 0183 Cardbus Ethernet 10/100
 00d4 Mini-PCI K56Flex Modem
 0101 Cardbus 56k modem
 115d 1081 Cardbus 56k Modem
 0103 Cardbus Ethernet + 56k Modem
 1014 9181 Cardbus 56k Modem
 1115 1181 Cardbus Ethernet 100 + 56k Modem
 115d 1181 CBEM56G-100 Ethernet + 56k Modem
 8086 9181 PRO/100 LAN + Modem56 CardBus
 115e Peer Protocols Inc
 115f Maxtor Corporation
 1160 Megasoft Inc
 1161 PFU Limited
 1162 OA Laboratory Co Ltd
 1163 Rendition
 0001 Verite 1000
 2000 Verite V2000/V2100/V2200
 1092 2000 Stealth II S220
 1164 Advanced Peripherals Technologies
 1165 Imagraph Corporation
 0001 Motion TPEG Recorder/Player with audio
 # nee ServerWorks
 1166 Broadcom
 0000 CMIC-LE
 0005 CNB20-LE Host Bridge
 0006 CNB20HE Host Bridge
 0007 CNB20-LE Host Bridge

0008 CNB20HE Host Bridge
 0009 CNB20LE Host Bridge
 0010 CIOB30
 0011 CMIC-HE
 0012 CMIC-WS Host Bridge (GC-LE chipset)
 0013 CNB20-HE Host Bridge
 0014 CMIC-LE Host Bridge (GC-LE chipset)
 0015 CMIC-GC
 Host Bridge
 0016 CMIC-GC Host Bridge
 0017 GCNB-LE Host Bridge
 0036 BCM5785 [HT1000] PCI/PCI-X Bridge
 0101 CIOB-X2 PCI-X I/O Bridge
 0103 EPB PCI-Express to PCI-X Bridge
 0104 BCM5785 [HT1000] PCI/PCI-X Bridge
 0110 CIOB-E I/O Bridge with Gigabit Ethernet
 0130 BCM5780 [HT2000] PCI-X bridge
 0132 BCM5780 [HT2000] PCI-Express Bridge
 1166 0132 HT2000 PCI-Express bridge
 0140 HT2100 PCI-Express Bridge
 0141 HT2100 PCI-Express Bridge
 0142 HT2100 PCI-Express Bridge
 0144 HT2100 PCI-Express Bridge
 0200 OSB4 South Bridge
 0201 CSB5 South Bridge
 4c53 1080 CT8 mainboard
 0203 CSB6 South Bridge
 1734 1012 Primergy RX300
 0205 BCM5785 [HT1000] Legacy South Bridge
 0211 OSB4 IDE Controller
 0212 CSB5 IDE Controller
 1028 810b PowerEdge 2550
 4c53 1080 CT8 mainboard
 0213 CSB6 RAID/IDE Controller
 1028 4134 PowerEdge 600SC
 1028 c134 Powerededge SC600
 1734 1012 Primergy RX300
 0214 BCM5785 [HT1000] IDE
 0217 CSB6 IDE Controller
 1028 4134 Powerededge
 SC600
 0220 OSB4/CSB5 OHCI USB Controller
 4c53 1080 CT8 mainboard
 0221 CSB6 OHCI USB Controller
 1734 1012 Primergy RX300
 0223 BCM5785 [HT1000] USB
 0225 CSB5 LPC bridge
 0227 GCLE-2 Host Bridge

1734 1012 Primergy RX300
 0230 CSB5 LPC bridge
 4c53 1080 CT8 mainboard
 0234 BCM5785 [HT1000] LPC
 0235 BCM5785 [HT1000] XIOAPIC0-2
 0238 BCM5785 [HT1000] WDTimer
 0240 K2 SATA
 0241 RAIDCore RC4000
 0242 RAIDCore BC4000
 024a BCM5785 [HT1000] SATA (Native SATA Mode)
 # The device starts as 024A, and changes to 024B if set to PATA mode in BIOS
 024b BCM5785 [HT1000] SATA (PATA/IDE Mode)
 1167 Mutoh Industries Inc
 1168 Thine Electronics Inc
 1169 Centre for Development of Advanced Computing
 116a Polaris Communications
 6100 Bus/Tag Channel
 6800 Escon Channel
 7100 Bus/Tag Channel
 7800 Escon Channel
 116b Connectware Inc
 116c Intelligent Resources Integrated Systems
 116d Martin-Marietta
 116e Electronics for Imaging
 116f Workstation Technology
 1170 Inventec
 Corporation
 1171 Loughborough Sound Images Plc
 1172 Altera Corporation
 1173 Adobe Systems, Inc
 1174 Bridgeport Machines
 1175 Mitron Computer Inc.
 1176 SBE Incorporated
 1177 Silicon Engineering
 1178 Alfa, Inc.
 afa1 Fast Ethernet Adapter
 1179 Toshiba America Info Systems
 0102 Extended IDE Controller
 0103 EX-IDE Type-B
 0404 DVD Decoder card
 0406 Tecra Video Capture device
 0407 DVD Decoder card (Version 2)
 0601 CPU to PCI bridge
 1179 0001 Satellite Pro
 0603 ToPIC95 PCI to CardBus Bridge for Notebooks
 060a ToPIC95
 1179 0001 Satellite Pro
 060f ToPIC97

0617 ToPIC100 PCI to Cardbus Bridge with ZV Support
 0618 CPU to PCI and PCI to ISA bridge
 # Claimed to be Lucent DSP1645 [Mars], but that's apparently incorrect. Does anyone know the correct ID?
 0701 FIR Port
 0804 TC6371AF SmartMedia Controller
 0805 SD TypA Controller
 0d01 FIR Port Type-DO
 1179 0001 FIR Port Type-DO
 117a A-Trend Technology
 117b L G Electronics, Inc.
 117c Atto Technology
 0030
 Ultra320 SCSI Host Adapter
 117c 8013 ExpressPCI UL4D
 117c 8014 ExpressPCI UL4S
 117d Becton & Dickinson
 117e T/R Systems
 117f Integrated Circuit Systems
 1180 Ricoh Co Ltd
 0465 RL5c465
 0466 RL5c466
 0475 RL5c475
 144d c006 vpr Matrix 170B4 CardBus bridge
 0476 RL5c476 II
 1014 0185 ThinkPad A/T/X Series
 1028 014f Latitude X300 laptop
 1028 0188 Inspiron 6000 laptop
 1043 1967 V6800V
 1043 1987 Asus A4K and Z81K notebooks, possibly others (mid-2005 machines)
 104d 80df Vaio PCG-FX403
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 104d 814e VAIO GRZ390Z
 10f7 8338 Panasonic CF-Y5 laptop
 144d c00c P30/P35 notebook
 14ef 0220 PCD-RP-220S
 17aa 201c Thinkpad X60s
 0477 RL5c477
 0478 RL5c478
 1014 0184 ThinkPad A30p (2653-64G)
 0511 R5C511
 0522 R5C522 IEEE 1394 Controller
 1014 01cf ThinkPad A30p (2653-64G)
 1043 1967 V6800V
 0551 R5C551 IEEE 1394 Controller
 144d c006 vpr Matrix 170B4
 0552 R5C552 IEEE 1394 Controller
 1014

0511 ThinkPad A/T/X Series
 1028 014f Latitude X300 laptop
 1028 0188 Inspiron 6000 laptop
 144d c00c P30/P35 notebook
 17aa 201e Thinkpad X60s
 0554 R5C554
 0575 R5C575 SD Bus Host Adapter
 0576 R5C576 SD Bus Host Adapter
 0592 R5C592 Memory Stick Bus Host Adapter
 1043 1967 V6800V
 144d c018 X20 IV
 0811 R5C811
 0822 R5C822 SD/SDIO/MMC/MS/MSPPro Host Adapter
 1014 0556 Thinkpad X40
 1014 0598 Thinkpad Z60m
 1028 0188 Inspiron 6000 laptop
 1028 01a2 Inspiron 9200
 1043 1967 ASUS V6800V
 10f7 8338 Panasonic CF-Y5 laptop
 144d c018 X20 IV
 17aa 201d Thinkpad X60s
 0832 R5C832 IEEE 1394 Controller
 0841 R5C841 CardBus/SD/SDIO/MMC/MS/MSPPro/xD/IEEE1394
 0852 xD-Picture Card Controller
 1043 1967 V6800V
 1181 Telmatics International
 1183 Fujikura Ltd
 1184 Forks Inc
 1185 Dataworld International Ltd
 1186 D-Link System Inc
 0100 DC21041
 1002 DL10050 Sundance Ethernet
 1186 1002 DFE-550TX/FX
 1186 1012 DFE-580TX
 1025 AirPlus Xtreme
 G DWL-G650 Adapter
 1026 AirXpert DWL-AG650 Wireless Cardbus Adapter
 1043 AirXpert DWL-AG650 Wireless Cardbus Adapter
 1300 RTL8139 Ethernet
 1186 1300 DFE-538TX 10/100 Ethernet Adapter
 1186 1301 DFE-530TX+ 10/100 Ethernet Adapter
 1186 1303 DFE-528TX 10/100 Fast Ethernet PCI Adapter
 1340 DFE-690TXD CardBus PC Card
 1405 DFE-520TX Fast Ethernet PCI Adapter
 1541 DFE-680TXD CardBus PC Card
 1561 DRP-32TXD Cardbus PC Card
 2027 AirPlus Xtreme G DWL-G520 Adapter
 3203 AirPlus Xtreme G DWL-G520 Adapter

3300 DWL-510 2.4GHz Wireless PCI Adapter
 3a03 AirPro DWL-A650 Wireless Cardbus Adapter(rev.B)
 3a04 AirPro DWL-AB650 Multimode Wireless Cardbus Adapter
 3a05 AirPro DWL-AB520 Multimode Wireless PCI Adapter
 3a07 AirXpert DWL-AG650 Wireless Cardbus Adapter
 3a08 AirXpert DWL-AG520 Wireless PCI Adapter
 3a10 AirXpert DWL-AG650 Wireless Cardbus Adapter(rev.B)
 3a11 AirXpert DWL-AG520 Wireless PCI Adapter(rev.B)
 3a12 AirPlus DWL-G650 Wireless Cardbus Adapter(rev.C)
 3a13
 AirPlus DWL-G520 Wireless PCI Adapter(rev.B)
 3a14 AirPremier DWL-AG530 Wireless PCI Adapter
 3a63 AirXpert DWL-AG660 Wireless Cardbus Adapter
 4000 DL2000-based Gigabit Ethernet
 4300 DGE-528T Gigabit Ethernet Adapter
 # There are at least 3 revisions of this adapter; 4800 is board revision A1 as far as I can tell, revision B1 is 4c00.
 4800 DGE-530T Gigabit Ethernet Adapter (rev 11)
 4b01 DGE-530T Gigabit Ethernet Adapter (rev 11)
 4c00 Gigabit Ethernet Adapter
 1186 4c00 DGE-530T Gigabit Ethernet Adapter
 8400 D-Link DWL-650+ CardBus PC Card
 1187 Advanced Technology Laboratories, Inc.
 1188 Shima Seiki Manufacturing Ltd.
 1189 Matsushita Electronics Co Ltd
 118a Hilevel Technology
 118b Hypertec Pty Limited
 118c Corollary, Inc
 0014 PCIB [C-bus II to PCI bus host bridge chip]
 1117 Intel 8-way XEON Profusion Chipset [Cache Coherency Filter]
 118d BitFlow Inc
 0001 Raptor-PCI framegrabber
 0012 Model 12 Road Runner Frame Grabber
 0014 Model 14 Road Runner Frame
 Grabber
 0024 Model 24 Road Runner Frame Grabber
 0044 Model 44 Road Runner Frame Grabber
 0112 Model 12 Road Runner Frame Grabber
 0114 Model 14 Road Runner Frame Grabber
 0124 Model 24 Road Runner Frame Grabber
 0144 Model 44 Road Runner Frame Grabber
 0212 Model 12 Road Runner Frame Grabber
 0214 Model 14 Road Runner Frame Grabber
 0224 Model 24 Road Runner Frame Grabber
 0244 Model 44 Road Runner Frame Grabber
 0312 Model 12 Road Runner Frame Grabber
 0314 Model 14 Road Runner Frame Grabber
 0324 Model 24 Road Runner Frame Grabber
 0344 Model 44 Road Runner Frame Grabber

118e Hermstedt GmbH
118f Green Logic
1190 Tripace
c731 TP-910/920/940 PCI Ultra(Wide) SCSI Adapter
1191 Artop Electronic Corp
0003 SCSI Cache Host Adapter
0004 ATP8400
0005 ATP850UF
0006 ATP860 NO-BIOS
0007 ATP860
0008 ATP865 NO-ROM
0009 ATP865
8002 AEC6710 SCSI-2 Host Adapter
8010 AEC6712UW SCSI
8020 AEC6712U SCSI
8030 AEC6712S SCSI
8040 AEC6712D SCSI
8050 AEC6712SUW
SCSI
8060 AEC6712 SCSI
8080 AEC67160 SCSI
8081 AEC67160S SCSI
808a AEC67162 2-ch. LVD SCSI
1192 Densan Company Ltd
1193 Zeitnet Inc.
0001 1221
0002 1225
1194 Toucan Technology
1195 Ratoc System Inc
1196 Hytec Electronics Ltd
1197 Gage Applied Sciences, Inc.
010c CompuScope 82G 8bit 2GS/s Analog Input Card
1198 Lambda Systems Inc
1199 Attachmate Corporation
119a Mind Share, Inc.
119b Omega Micro Inc.
1221 82C092G
119c Information Technology Inst.
119d Bug, Inc. Sapporo Japan
119e Fujitsu Microelectronics Ltd.
0001 FireStream 155
0003 FireStream 50
119f Bull HN Information Systems
11a0 Convex Computer Corporation
11a1 Hamamatsu Photonics K.K.
11a2 Sierra Research and Technology
11a3 Deuretzbacher GmbH & Co. Eng. KG
11a4 Barco Graphics NV

11a5 Microunity Systems Eng. Inc
 11a6 Pure Data Ltd.
 11a7 Power Computing Corp.
 11a8 Systech Corp.
 11a9 InnoSys Inc.
 4240 AMCC S933Q Intelligent Serial Card
 11aa Actel
 # Nee Galileo Technology, Inc.
 11ab Marvell
 Technology Group Ltd.
 0146 GT-64010/64010A System Controller
 0f53 88E6318 Link Street network controller
 11ab MV88SE614x SATA II PCI-E controller
 138f W8300 802.11 Adapter (rev 07)
 1fa6 Marvell W8300 802.11 Adapter
 1fa7 88W8310 and 88W8000G [Libertas] 802.11g client chipset
 1faa 88w8335 [Libertas] 802.11b/g Wireless
 1385 4e00 WG511 v2 54MBit/ Wireless PC-Card
 2a01 88W8335 [Libertas] 802.11b/g Wireless
 4320 88E8001 Gigabit Ethernet Controller
 1019 0f38 Marvell 88E8001 Gigabit Ethernet Controller (ECS)
 1019 8001 Marvell 88E8001 Gigabit Ethernet Controller (ECS)
 1043 173c Marvell 88E8001 Gigabit Ethernet Controller (Asus)
 1043 811a Marvell 88E8001 Gigabit Ethernet Controller (Asus)
 105b 0c19 Marvell 88E8001 Gigabit Ethernet Controller (Foxconn)
 10b8 b452 EZ Card 1000 (SMC9452TXV.2)
 11ab 0121 Marvell RDK-8001
 11ab 0321 Marvell RDK-8003
 11ab 1021 Marvell RDK-8010
 11ab 4320 Marvell Yukon Gigabit Ethernet 10/100/1000Base-T Controller
 (Asus)
 11ab 5021 Marvell Yukon Gigabit Ethernet 10/100/1000Base-T Controller (64 bit)
 11ab 9521 Marvell Yukon Gigabit Ethernet 10/100/1000Base-T Controller (32 bit)
 1458 e000 Marvell 88E8001 Gigabit Ethernet Controller (Gigabyte)
 147b 1406 Marvell 88E8001 Gigabit Ethernet Controller (Abit)
 15d4 0047 Marvell 88E8001 Gigabit Ethernet Controller (Iwill)
 1695 9025 Marvell 88E8001 Gigabit Ethernet Controller (Epox)
 17f2 1c03 Marvell 88E8001 Gigabit Ethernet Controller (Albatron)
 270f 2803 Marvell 88E8001 Gigabit Ethernet Controller (Chaintech)
 4340 88E8021 PCI-X IPMI Gigabit Ethernet Controller
 4341 88E8022 PCI-X IPMI Gigabit Ethernet Controller
 4342 88E8061 PCI-E IPMI Gigabit Ethernet Controller
 4343 88E8062 PCI-E IPMI Gigabit Ethernet Controller
 4344 88E8021 PCI-X IPMI Gigabit Ethernet Controller
 4345 88E8022 PCI-X IPMI Gigabit Ethernet Controller
 4346 88E8061 PCI-E IPMI Gigabit Ethernet Controller
 4347 88E8062 PCI-E IPMI Gigabit Ethernet Controller
 4c53

10d0 Telum ASLP10 PrAMC Gigabit Ethernet
 4350 88E8035 PCI-E Fast Ethernet Controller
 1179 0001 Marvell 88E8035 Fast Ethernet Controller (Toshiba)
 11ab 3521 Marvell RDK-8035
 1854 000d Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 000e Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 000f Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 0011 Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 0012 Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 0016 Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 0017 Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 0018 Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 0019 Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 001c Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 001e Marvell 88E8035 Fast Ethernet Controller (LGE)
 1854 0020 Marvell 88E8035 Fast Ethernet Controller (LGE)
 4351 88E8036 PCI-E Fast Ethernet Controller
 107b 4009 Marvell 88E8036 Fast Ethernet Controller
 (Wistron)
 10f7 8338 Marvell 88E8036 Fast Ethernet Controller (Panasonic)
 1179 0001 Marvell 88E8036 Fast Ethernet Controller (Toshiba)
 1179 ff00 Marvell 88E8036 Fast Ethernet Controller (Compal)
 1179 ff10 Marvell 88E8036 Fast Ethernet Controller (Inventec)
 11ab 3621 Marvell RDK-8036
 13d1 ac12 Abocom EFE3K - 10/100 Ethernet Expresscard
 161f 203d Marvell 88E8036 Fast Ethernet Controller (Arima)
 1854 000d Marvell 88E8036 Fast Ethernet Controller (LGE)
 1854 000e Marvell 88E8036 Fast Ethernet Controller (LGE)
 1854 000f Marvell 88E8036 Fast Ethernet Controller (LGE)
 1854 0011 Marvell 88E8036 Fast Ethernet Controller (LGE)
 1854 0012 Marvell 88E8036 Fast Ethernet Controller (LGE)
 1854 0016 Marvell 88E8036 Fast Ethernet Controller (LGE)
 1854 0017 Marvell 88E8036 Fast Ethernet Controller (LGE)
 1854 0018 Marvell 88E8036 Fast Ethernet Controller (LGE)
 1854 0019 Marvell 88E8036 Fast Ethernet Controller (LGE)
 1854 001c Marvell 88E8036 Fast
 Ethernet Controller (LGE)
 1854 001e Marvell 88E8036 Fast Ethernet Controller (LGE)
 1854 0020 Marvell 88E8036 Fast Ethernet Controller (LGE)
 4352 88E8038 PCI-E Fast Ethernet Controller
 4360 88E8052 PCI-E ASF Gigabit Ethernet Controller
 1043 8134 Marvell 88E8052 Gigabit Ethernet Controller (Asus)
 107b 4009 Marvell 88E8052 Gigabit Ethernet Controller (Wistron)
 11ab 5221 Marvell RDK-8052
 1458 e000 Marvell 88E8052 Gigabit Ethernet Controller (Gigabyte)
 1462 052c Marvell 88E8052 Gigabit Ethernet Controller (MSI)
 1849 8052 Marvell 88E8052 Gigabit Ethernet Controller (ASRock)
 a0a0 0509 Marvell 88E8052 Gigabit Ethernet Controller (Aopen)

4361 88E8050 PCI-E ASF Gigabit Ethernet Controller
 107b 3015 Marvell 88E8050 Gigabit Ethernet Controller (Gateway)
 11ab 5021 Marvell 88E8050 Gigabit Ethernet Controller (Intel)
 8086 3063 D925XCVLK mainboard
 8086 3439 Marvell 88E8050 Gigabit Ethernet Controller (Intel)
 4362 88E8053 PCI-E Gigabit Ethernet Controller
 103c
 2a0d Marvell 88E8053 Gigabit Ethernet Controller (Asus)
 1043 8142 Marvell 88E8053 Gigabit Ethernet controller PCIe (Asus)
 109f 3197 Marvell 88E8053 Gigabit Ethernet Controller (Trigem)
 10f7 8338 Marvell 88E8053 Gigabit Ethernet Controller (Panasonic)
 10fd a430 Marvell 88E8053 Gigabit Ethernet Controller (SOYO)
 1179 0001 Marvell 88E8053 Gigabit Ethernet Controller (Toshiba)
 1179 ff00 Marvell 88E8053 Gigabit Ethernet Controller (Compal)
 1179 ff10 Marvell 88E8053 Gigabit Ethernet Controller (Inventec)
 11ab 5321 Marvell RDK-8053
 1297 c240 Marvell 88E8053 Gigabit Ethernet Controller (Shuttle)
 1297 c241 Marvell 88E8053 Gigabit Ethernet Controller (Shuttle)
 1297 c242 Marvell 88E8053 Gigabit Ethernet Controller (Shuttle)
 1297 c243 Marvell 88E8053 Gigabit Ethernet Controller (Shuttle)
 1297 c244 Marvell 88E8053 Gigabit Ethernet Controller (Shuttle)
 13d1 ac11 EGE5K - Giga Ethernet Expresscard
 1458 e000 Marvell 88E8053 Gigabit Ethernet Controller
 (Gigabyte)
 1462 058c Marvell 88E8053 Gigabit Ethernet Controller (MSI)
 14c0 0012 Marvell 88E8053 Gigabit Ethernet Controller (Compal)
 1558 04a0 Marvell 88E8053 Gigabit Ethernet Controller (Clevo)
 15bd 1003 Marvell 88E8053 Gigabit Ethernet Controller (DFI)
 161f 203c Marvell 88E8053 Gigabit Ethernet Controller (Arima)
 161f 203d Marvell 88E8053 Gigabit Ethernet Controller (Arima)
 1695 9029 Marvell 88E8053 Gigabit Ethernet Controller (Epox)
 17f2 2c08 Marvell 88E8053 Gigabit Ethernet Controller (Albatron)
 17ff 0585 Marvell 88E8053 Gigabit Ethernet Controller (Quanta)
 1849 8053 Marvell 88E8053 Gigabit Ethernet Controller (ASRock)
 1854 000b Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 1854 000c Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 1854 0010 Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 1854 0013 Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 1854 0014 Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 1854 0015 Marvell
 88E8053 Gigabit Ethernet Controller (LGE)
 1854 001a Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 1854 001b Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 1854 001d Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 1854 001f Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 1854 0021 Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 1854 0022 Marvell 88E8053 Gigabit Ethernet Controller (LGE)
 270f 2801 Marvell 88E8053 Gigabit Ethernet Controller (Chaintech)

a0a0 0506 Marvell 88E8053 Gigabit Ethernet Controller (Aopen)
 4363 88E8055 PCI-E Gigabit Ethernet Controller
 4364 88E8056 PCI-E Gigabit Ethernet Controller
 4611 GT-64115 System Controller
 4620 GT-64120/64120A/64121A System Controller
 4801 GT-48001
 5005 Belkin F5D5005 Gigabit Desktop Network PCI Card
 5040 MV88SX5040 4-port SATA I PCI-X Controller
 5041 MV88SX5041 4-port SATA I PCI-X Controller
 5080 MV88SX5080 8-port SATA I PCI-X Controller
 5081 MV88SX5081 8-port SATA I PCI-X Controller
 6041
 MV88SX6041 4-port SATA II PCI-X Controller
 6081 MV88SX6081 8-port SATA II PCI-X Controller
 6101 88SE6101 single-port PATA133 interface
 6141 88SE614x SATA II PCI-E controller
 6145 88SE6145 SATA II PCI-E controller
 6450 64560 System Controller
 6460 MV64360/64361/64362 System Controller
 6480 MV64460/64461/64462 System Controller
 1775 c200 C2K CompactPCI single board computer
 6485 MV64460/64461/64462 System Controller, Revision B
 f003 GT-64010 Primary Image Piranha Image Generator
 11ac Canon Information Systems Research Aust.
 11ad Lite-On Communications Inc
 0002 LNE100TX
 11ad 0002 LNE100TX
 11ad 0003 LNE100TX
 11ad f003 LNE100TX
 11ad ffff LNE100TX
 1385 f004 FA310TX
 c115 LNE100TX [Linksys EtherFast 10/100]
 11ad c001 LNE100TX [ver 2.0]
 11ae Aztech System Ltd
 11af Avid Technology Inc.
 0001 Cinema
 ee40 Digidesign Audiomedia III
 11b0 V3 Semiconductor Inc.
 0002 V300PSC
 0292 V292PBC [Am29030/40 Bridge]
 0960 V96xPBC
 c960 V96DPC
 11b1
 Apricot Computers
 11b2 Eastman Kodak
 11b3 Barr Systems Inc.
 11b4 Leitch Technology International
 11b5 Radstone Technology Plc

11b6 United Video Corp
 11b7 Motorola
 11b8 XPoint Technologies, Inc
 0001 Quad PeerMaster
 11b9 Pathlight Technology Inc.
 c0ed SSA Controller
 11ba Videotron Corp
 11bb Pyramid Technology
 11bc Network Peripherals Inc
 0001 NP-PCI
 11bd Pinnacle Systems Inc.
 002e PCTV 40i
 0040 Royal TS Function 1
 11bd 0044 PCTV 2000i Dual DVB-T Pro PCI Tuner 1
 0041 RoyalTS Function 2
 11bd 0044 PCTV 2000i Dual DVB-T Pro PCI Tuner 2
 0042 Royal TS Function 3
 11bd 0044 PCTV 2000i Dual DVB-T Pro PCI Common
 bede AV/DV Studio Capture Card
 11be International Microcircuits Inc
 11bf Astrodesign, Inc.
 11c0 Hewlett Packard
 # Nee Lucent Microelectronics
 11c1 Agere Systems
 0440 56k WinModem
 1033 8015 LT WinModem 56k Data+Fax+Voice+Dsvd
 1033 8047 LT WinModem 56k Data+Fax+Voice+Dsvd
 1033 804f LT WinModem 56k Data+Fax+Voice+Dsvd
 10cf 102c LB LT Modem
 V.90 56k
 10cf 104a BIBLO LT Modem 56k
 10cf 105f LB2 LT Modem V.90 56k
 1179 0001 Internal V.90 Modem
 11c1 0440 LT WinModem 56k Data+Fax+Voice+Dsvd
 122d 4101 MDP7800-U Modem
 122d 4102 MDP7800SP-U Modem
 13e0 0040 LT WinModem 56k Data+Fax+Voice+Dsvd
 13e0 0440 LT WinModem 56k Data+Fax+Voice+Dsvd
 13e0 0441 LT WinModem 56k Data+Fax+Voice+Dsvd
 13e0 0450 LT WinModem 56k Data+Fax+Voice+Dsvd
 13e0 f100 LT WinModem 56k Data+Fax+Voice+Dsvd
 13e0 f101 LT WinModem 56k Data+Fax+Voice+Dsvd
 144d 2101 LT56PV Modem
 149f 0440 LT WinModem 56k Data+Fax+Voice+Dsvd
 0441 56k WinModem
 1033 804d LT WinModem 56k Data+Fax
 1033 8065 LT WinModem 56k Data+Fax
 1092 0440 Supra 56i

1179 0001 Internal V.90 Modem
 11c1 0440 LT WinModem 56k Data+Fax
 11c1 0441 LT WinModem 56k Data+Fax
 122d 4100 MDP7800-U Modem
 13e0 0040 LT WinModem 56k Data+Fax
 13e0 0100 LT WinModem 56k Data+Fax
 13e0 0410 LT WinModem 56k Data+Fax
 13e0 0420 TelePath Internet 56k WinModem
 13e0
 0440 LT WinModem 56k Data+Fax
 13e0 0443 LT WinModem 56k Data+Fax
 13e0 f102 LT WinModem 56k Data+Fax
 1416 9804 CommWave 56k Modem
 141d 0440 LT WinModem 56k Data+Fax
 144f 0441 Lucent 56k V.90 DF Modem
 144f 0449 Lucent 56k V.90 DF Modem
 144f 110d Lucent Win Modem
 1468 0441 Presario 56k V.90 DF Modem
 1668 0440 Lucent Win Modem
 0442 56k WinModem
 11c1 0440 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 11c1 0442 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 13e0 0412 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 13e0 0442 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 13fc 2471 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 144d 2104 LT56PT Modem
 144f 1104 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 149f 0440 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 1668 0440 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 0443 LT WinModem
 0444 LT WinModem
 0445 LT WinModem
 8086 2203 PRO/100+ MiniPCI (probably an Ambit U98.003.C.00
 combo card)
 8086 2204 PRO/100+ MiniPCI on Armada E500
 0446 LT WinModem
 0447 LT WinModem
 0448 WinModem 56k
 1014 0131 Lucent Win Modem
 1033 8066 LT WinModem 56k Data+Fax+Voice+Dsvd
 13e0 0030 56k Voice Modem
 13e0 0040 LT WinModem 56k Data+Fax+Voice+Dsvd
 # Actiontech eth+modem card as used by Dell &c.
 1668 2400 LT WinModem 56k (MiniPCI Ethernet+Modem)
 0449 WinModem 56k
 0e11 b14d 56k V.90 Modem
 13e0 0020 LT WinModem 56k Data+Fax
 13e0 0041 TelePath Internet 56k WinModem

1436 0440 Lucent Win Modem
 144f 0449 Lucent 56k V.90 DFi Modem
 1468 0410 IBM ThinkPad T23 (2647-4MG)
 1468 0440 Lucent Win Modem
 1468 0449 Presario 56k V.90 DFi Modem
 044a F-1156IV WinModem (V90, 56KFlex)
 10cf 1072 LB Global LT Modem
 13e0 0012 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 13e0 0042 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 144f 1005 LT WinModem 56k Data+Fax+Voice+VoiceView+Dsvd
 044b LT WinModem
 044c LT WinModem
 044d LT WinModem
 044e
 LT WinModem
 044f V90 WildWire Modem
 0450 LT WinModem
 1033 80a8 Versa Note Vxi
 144f 4005 Magnia SG20
 1468 0450 Evo N600c
 4005 144f LifeBook C Series
 0451 LT WinModem
 0452 LT WinModem
 0453 LT WinModem
 0454 LT WinModem
 0455 LT WinModem
 0456 LT WinModem
 0457 LT WinModem
 0458 LT WinModem
 0459 LT WinModem
 045a LT WinModem
 045c LT WinModem
 0461 V90 WildWire Modem
 0462 V90 WildWire Modem
 0480 Venus Modem (V90, 56KFlex)
 048c V.92 56K WinModem
 # InPorte Home Internal 56k Modem/fax/answering machine/SMS Features
 048f V.92 56k WinModem
 1040 HDA softmodem
 2600 StarPro26XX family (SP2601, SP2603, SP2612) DSP
 5801 USB
 5802 USS-312 USB Controller
 5803 USS-344S USB Controller
 5811 FW323
 8086 524c D865PERL mainboard
 dead 0800 FireWire Host Bus Adapter
 8110 T8110 H.100/H.110 TDM switch
 12d9 000c E1/T1 PMXc cPCI carrier card

ab10 WL60010 Wireless LAN MAC
 ab11 WL60040 Multimode Wireless LAN MAC
 11c1 ab12 WaveLAN 11abg Cardbus card
 (Model 1102)
 11c1 ab13 WaveLAN 11abg MiniPCI card (Model 0512)
 11c1 ab15 WaveLAN 11abg Cardbus card (Model 1106)
 11c1 ab16 WaveLAN 11abg MiniPCI card (Model 0516)
 ab20 ORiNOCO PCI Adapter
 ab21 Agere Wireless PCI Adapter
 ab30 Hermes2 Mini-PCI WaveLAN a/b/g
 14cd 2012 Hermes2 Mini-PCI WaveLAN a/b/g
 ed00 ET-131x PCI-E Ethernet Controller
 ed01 ET-131x PCI-E Ethernet Controller
 11c2 Sand Microelectronics
 11c3 NEC Corporation
 11c4 Document Technologies, Inc
 11c5 Shiva Corporation
 11c6 Dainippon Screen Mfg. Co. Ltd
 11c7 D.C.M. Data Systems
 11c8 Dolphin Interconnect Solutions AS
 0658 PSB32 SCI-Adapter D31x
 d665 PSB64 SCI-Adapter D32x
 d667 PSB66 SCI-Adapter D33x
 11c9 Magma
 0010 16-line serial port w/- DMA
 0011 4-line serial port w/- DMA
 11ca LSI Systems, Inc
 11cb Specialix Research Ltd.
 2000 PCI_9050
 11cb 0200 SX
 11cb b008 I/O8+
 4000 SUP1_1
 8000 T225
 11cc Michels & Kleberhoff Computer GmbH
 11cd HAL Computer Systems, Inc.
 11ce Netaccess
 11cf
 Pioneer Electronic Corporation
 11d0 Lockheed Martin Federal Systems-Manassas
 11d1 Auravision
 01f7 VxP524
 11d2 Intercom Inc.
 11d3 Trancell Systems Inc
 11d4 Analog Devices
 0078 AD1986HD sound chip
 1535 Blackfin BF535 processor
 1805 SM56 PCI modem
 1889 AD1889 sound chip

1981 AD1981HD sound chip
 1983 AD1983HD sound chip
 1986 AD1986A sound chip
 11d4 1986 Lenovo N100 B9G
 198b AD1988B Sound Chip
 5340 AD1881 sound chip
 11d5 Ikon Corporation
 0115 10115
 0117 10117
 11d6 Tekelec Telecom
 11d7 Trenton Technology, Inc.
 11d8 Image Technologies Development
 11d9 TEC Corporation
 11da Novell
 11db Sega Enterprises Ltd
 11dc Qestra Corporation
 11dd Crosfield Electronics Limited
 11de Zoran Corporation
 6057 ZR36057PQC Video cutting chipset
 1031 7efe DC10 Plus
 1031 fc00 MiroVIDEO DC50, Motion JPEG Capture/CODEC Board
 12f8 8a02 Tekram Video Kit
 13ca 4231 JPEG/TV Card
 6120 ZR36120
 1328 f001 Cinemaster C DVD Decoder
 13c2 0000 MediaFocus Satellite
 TV Card
 1de1 9fff Video Kit C210
 11df New Wave PDG
 11e0 Cray Communications A/S
 11e1 GEC Plessey Semi Inc.
 11e2 Samsung Information Systems America
 11e3 Quicklogic Corporation
 0001 COM-ON-AIR Dosch&Amand DECT
 5030 PC Watchdog
 11e4 Second Wave Inc
 11e5 IIX Consulting
 11e6 Mitsui-Zosen System Research
 11e7 Toshiba America, Elec. Company
 11e8 Digital Processing Systems Inc.
 11e9 Highwater Designs Ltd.
 11ea Elsag Bailey
 11eb Formation Inc.
 11ec Coreco Inc
 11ed Mediamatics
 11ee Dome Imaging Systems Inc
 11ef Nicolet Technologies B.V.
 11f0 Compu-Shack

4231 FDDI
 4232 FASTline UTP Quattro
 4233 FASTline FO
 4234 FASTline UTP
 4235 FASTline-II UTP
 4236 FASTline-II FO
 4731 GIGAline
 11f1 Symbios Logic Inc
 11f2 Picture Tel Japan K.K.
 11f3 Keithley Metrabyte
 11f4 Kinetic Systems Corporation
 2915 CAMAC controller
 11f5 Computing Devices International
 11f6 Compex
 0112 ENet100VG4
 0113 FreedomLine 100
 1401 ReadyLink 2000
 2011 RL100-ATX 10/100
 11f6 2011
 RL100-ATX
 2201 ReadyLink 100TX (Winbond W89C840)
 11f6 2011 ReadyLink 100TX
 9881 RL100TX Fast Ethernet
 11f7 Scientific Atlanta
 11f8 PMC-Sierra Inc.
 7375 PM7375 [LASAR-155 ATM SAR]
 11f9 I-Cube Inc
 11fa Kasan Electronics Company, Ltd.
 11fb Datel Inc
 11fc Silicon Magic
 11fd High Street Consultants
 11fe Control Corporation
 0001 RocketPort 32 port w/external I/F
 0002 RocketPort 8 port w/external I/F
 0003 RocketPort 16 port w/external I/F
 0004 RocketPort 4 port w/quad cable
 0005 RocketPort 8 port w/octa cable
 0006 RocketPort 8 port w/RJ11 connectors
 0007 RocketPort 4 port w/RJ11 connectors
 0008 RocketPort 8 port w/ DB78 SNI (Siemens) connector
 0009 RocketPort 16 port w/ DB78 SNI (Siemens) connector
 000a RocketPort Plus 4 port
 000b RocketPort Plus 8 port
 000c RocketModem 6 port
 000d RocketModem 4-port
 000e RocketPort Plus 2 port RS232
 000f RocketPort Plus 2 port RS422
 0801 RocketPort UPCI 32 port w/external I/F

0802 RocketPort UPCI 8 port
w/external I/F
0803 RocketPort UPCI 16 port w/external I/F
0805 RocketPort UPCI 8 port w/octa cable
080c RocketModem III 8 port
080d RocketModem III 4 port
0812 RocketPort UPCI Plus 8 port RS422
0903 RocketPort Compact PCI 16 port w/external I/F
8015 RocketPort 4-port UART 16954
11ff Scion Corporation
0003 AG-5
1200 CSS Corporation
1201 Vista Controls Corp
1202 Network General Corp.
4300 Gigabit Ethernet Adapter
1202 9841 SK-9841 LX
1202 9842 SK-9841 LX dual link
1202 9843 SK-9843 SX
1202 9844 SK-9843 SX dual link
1203 Bayer Corporation, Agfa Division
1204 Lattice Semiconductor Corporation
1205 Array Corporation
1206 Amdahl Corporation
1208 Parsytec GmbH
4853 HS-Link Device
1209 SCI Systems Inc
120a Synaptel
120b Adaptive Solutions
120c Technical Corp.
120d Compression Labs, Inc.
120e Cyclades Corporation
0100 Cyclom-Y below first megabyte
0101 Cyclom-Y above first megabyte
0102 Cyclom-4Y below first megabyte
0103 Cyclom-4Y above
first megabyte
0104 Cyclom-8Y below first megabyte
0105 Cyclom-8Y above first megabyte
0200 Cyclades-Z below first megabyte
0201 Cyclades-Z above first megabyte
0300 PC300/RSV or /X21 (2 ports)
0301 PC300/RSV or /X21 (1 port)
0310 PC300/TE (2 ports)
0311 PC300/TE (1 port)
0320 PC300/TE-M (2 ports)
0321 PC300/TE-M (1 port)
0400 PC400
120f Essential Communications

0001 Roadrunner serial HIPPI
 1210 Hyperparallel Technologies
 1211 Braintech Inc
 1212 Kingston Technology Corp.
 1213 Applied Intelligent Systems, Inc.
 1214 Performance Technologies, Inc.
 1215 Interware Co., Ltd
 1216 Purup Prepress A/S
 1217 O2 Micro, Inc.
 00f7 Firewire (IEEE 1394)
 6729 OZ6729
 673a OZ6730
 6832 OZ6832/6833 CardBus Controller
 6836 OZ6836/6860 CardBus Controller
 6872 OZ6812 CardBus Controller
 6925 OZ6922 CardBus Controller
 6933 OZ6933/711E1 CardBus/SmartCardBus Controller
 1025 1016 Travelmate 612 TX
 6972 OZ601/6912/711E0 CardBus/SmartCardBus Controller
 1014 020c
 ThinkPad R30
 1179 0001 Magnia Z310
 7110 OZ711Mx 4-in-1 MemoryCardBus Accelerator
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop
 1734 106c Amilo A1645
 7112 OZ711EC1/M1 SmartCardBus/MemoryCardBus Controller
 7113 OZ711EC1 SmartCardBus Controller
 7114 OZ711M1/MC1 4-in-1 MemoryCardBus Controller
 7120 Integrated MMC/SD Controller
 7130 Integrated MS/xD Controller
 7134 OZ711MP1/MS1 MemoryCardBus Controller
 7135 Cardbus bridge
 71e2 OZ711E2 SmartCardBus Controller
 7212 OZ711M2 4-in-1 MemoryCardBus Controller
 7213 OZ6933E CardBus Controller
 7223 OZ711M3/MC3 4-in-1 MemoryCardBus Controller
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop
 10cf 11c4 Lifebook P5020D Laptop
 7233 OZ711MP3/MS3 4-in-1 MemoryCardBus Controller
 1218 Hybricon Corp.
 1219 First Virtual Corporation
 121a 3Dfx Interactive, Inc.
 0001 Voodoo
 0002 Voodoo 2
 0003 Voodoo Banshee
 1092 0003 Monster Fusion

1092 4000 Monster Fusion
1092 4002 Monster Fusion
1092 4801 Monster
Fusion AGP
1092 4803 Monster Fusion AGP
1092 8030 Monster Fusion
1092 8035 Monster Fusion AGP
10b0 0001 Dragon 4000
1102 1018 3D Blaster Banshee VE
121a 0001 Voodoo Banshee AGP
121a 0003 Voodoo Banshee AGP SGRAM
121a 0004 Voodoo Banshee
139c 0016 Raven
139c 0017 Raven
14af 0002 Maxi Gamer Phoenix
0004 Voodoo Banshee [Velocity 100]
0005 Voodoo 3
121a 0004 Voodoo3 AGP
121a 0030 Voodoo3 AGP
121a 0031 Voodoo3 AGP
121a 0034 Voodoo3 AGP
121a 0036 Voodoo3 2000 PCI
121a 0037 Voodoo3 AGP
121a 0038 Voodoo3 AGP
121a 003a Voodoo3 AGP
121a 0044 Voodoo3
121a 004b Velocity 100
121a 004c Velocity 200
121a 004d Voodoo3 AGP
121a 004e Voodoo3 AGP
121a 0051 Voodoo3 AGP
121a 0052 Voodoo3 AGP
121a 0057 Voodoo3 3000 PCI
121a 0060 Voodoo3 3500 TV (NTSC)
121a 0061 Voodoo3 3500 TV (PAL)
121a 0062 Voodoo3 3500 TV (SECAM)
0009 Voodoo 4 / Voodoo 5
121a 0003 Voodoo5 PCI 5500
121a 0009 Voodoo5 AGP 5500/6000
0057
Voodoo 3/3000 [Avenger]
121b Advanced Telecommunications Modules
121c Nippon Texaco., Ltd
121d Lippert Automationstechnik GmbH
121e CSPI
0201 Myrinet 2000 Scalable Cluster Interconnect
121f Arcus Technology, Inc.
1220 Ariel Corporation

1220 AMCC 5933 TMS320C80 DSP/Imaging board

1221 Contec Co., Ltd

1222 Ancor Communications, Inc.

1223 Artesyn Communication Products

0003 PM/Link

0004 PM/T1

0005 PM/E1

0008 PM/SLS

0009 BajaSpan Resource Target

000a BajaSpan Section 0

000b BajaSpan Section 1

000c BajaSpan Section 2

000d BajaSpan Section 3

000e PM/PPC

1224 Interactive Images

1225 Power I/O, Inc.

1227 Tech-Source

0006 Raptor GFX 8P

0023 Raptor GFX [1100T]

1228 Norsk Elektro Optikk A/S

1229 Data Kinesis Inc.

122a Integrated Telecom

122b LG Industrial Systems Co., Ltd

122c Sican GmbH

122d Aztech System Ltd

1206 368DSP

1400 Trident PCI288-Q3DII (NX)

50dc 3328 Audio

122d 0001 3328 Audio

80da 3328 Audio

122d 0001 3328 Audio

122e Xyratex

122f

Andrew Corporation

1230 Fishcamp Engineering

1231 Woodward McCoach, Inc.

1232 GPT Limited

1233 Bus-Tech, Inc.

Also Bochs uses this for virtual VGA...

1234 Technical Corp.

1235 Risq Modular Systems, Inc.

1236 Sigma Designs Corporation

0000 RealMagic64/GX

6401 REALmagic 64/GX (SD 6425)

1237 Alta Technology Corporation

1238 Adtran

1239 3DO Company

123a Visicom Laboratories, Inc.

123b Seeq Technology, Inc.
 123c Century Systems, Inc.
 123d Engineering Design Team, Inc.
 0000 EasyConnect 8/32
 0002 EasyConnect 8/64
 0003 EasyIO
 123e Simutech, Inc.
 123f C-Cube Microsystems
 00e4 MPEG
 8120 E4?
 11bd 0006 DV500 E4
 11bd 000a DV500 E4
 11bd 000f DV500 E4
 1809 0016 Emuzed MAUI-III PCI PVR FM TV
 8888 Cinemaster C 3.0 DVD Decoder
 1002 0001 Cinemaster C 3.0 DVD Decoder
 1002 0002 Cinemaster C 3.0 DVD Decoder
 1328 0001 Cinemaster C 3.0 DVD Decoder
 1240 Marathon Technologies Corp.
 1241 DSC Communications
 # Formerly Jaycor Networks, Inc.
 1242
 JNI Corporation
 1560 JNIC-1560 PCI-X Fibre Channel Controller
 1242 6562 FCX2-6562 Dual Channel PCI-X Fibre Channel Adapter
 1242 656a FCX-6562 PCI-X Fibre Channel Adapter
 4643 FCI-1063 Fibre Channel Adapter
 6562 FCX2-6562 Dual Channel PCI-X Fibre Channel Adapter
 656a FCX-6562 PCI-X Fibre Channel Adapter
 1243 Delphax
 1244 AVM Audiovisuelles MKTG & Computer System GmbH
 0700 B1 ISDN
 0800 C4 ISDN
 0a00 A1 ISDN [Fritz]
 1244 0a00 FRITZ!Card ISDN Controller
 0e00 Fritz!PCI v2.0 ISDN
 1100 C2 ISDN
 1200 T1 ISDN
 2700 Fritz!Card DSL SL
 2900 Fritz!Card DSL v2.0
 1245 A.P.D., S.A.
 1246 Dipix Technologies, Inc.
 1247 Xylon Research, Inc.
 1248 Central Data Corporation
 1249 Samsung Electronics Co., Ltd.
 124a AEG Electrocom GmbH
 124b SBS/Greenspring Modular I/O
 0040 PCI-40A or cPCI-200 Quad IndustryPack carrier

124b 9080 PCI9080 Bridge
 124c Solitron Technologies, Inc.
 124d Stallion Technologies, Inc.
 0000 EasyConnection 8/32
 0002 EasyConnection 8/64
 0003
 EasyIO
 0004 EasyConnection/RA
 124e Cylink
 124f Infortrend Technology, Inc.
 0041 IFT-2000 Series RAID Controller
 1250 Hitachi Microcomputer System Ltd
 1251 VLSI Solutions Oy
 1253 Guzik Technical Enterprises
 1254 Linear Systems Ltd.
 1255 Optibase Ltd
 1110 MPEG Forge
 1210 MPEG Fusion
 2110 VideoPlex
 2120 VideoPlex CC
 2130 VideoQuest
 1256 Perceptive Solutions, Inc.
 4201 PCI-2220I
 4401 PCI-2240I
 5201 PCI-2000
 1257 Vertex Networks, Inc.
 1258 Gilbarco, Inc.
 1259 Allied Telesyn International
 2560 AT-2560 Fast Ethernet Adapter (i82557B)
 a117 RTL81xx Fast Ethernet
 a11e RTL81xx Fast Ethernet
 a120 21x4x DEC-Tulip compatible 10/100 Ethernet
 125a ABB Power Systems
 125b Asix Electronics Corporation
 1400 ALFA GFC2204 Fast Ethernet
 1186 1100 AX8814X Based PCI Fast Ethernet Adapter
 125c Aurora Technologies, Inc.
 0101 Saturn 4520P
 0640 Aries 16000P
 125d ESS Technology
 0000 ES336H Fax Modem (Early Model)
 1948 Solo?
 1968 ES1968 Maestro 2
 1028 0085
 ES1968 Maestro-2 PCI
 1033 8051 ES1968 Maestro-2 Audiodrive
 1969 ES1969 Solo-1 Audiodrive
 1014 0166 ES1969 SOLO-1 AudioDrive on IBM Aptiva Mainboard

125d 8888 Solo-1 Audio Adapter
 153b 111b Terratec 128i PCI
 1978 ES1978 Maestro 2E
 0e11 b112 Armada M700/E500
 1033 803c ES1978 Maestro-2E Audiodrive
 1033 8058 ES1978 Maestro-2E Audiodrive
 1092 4000 Monster Sound MX400
 1179 0001 ES1978 Maestro-2E Audiodrive
 1988 ES1988 Allegro-1
 0e11 0098 Evo N600c
 1092 4100 Sonic Impact S100
 125d 1988 ESS Allegro-1 Audiodrive
 1989 ESS Modem
 125d 1989 ESS Modem
 1998 ES1983S Maestro-3i PCI Audio Accelerator
 1028 00b1 Latitude C600
 1028 00e6 ES1983S Maestro-3i (Dell Inspiron 8100)
 1999 ES1983S Maestro-3i PCI Modem Accelerator
 199a ES1983S Maestro-3i PCI Audio Accelerator
 199b ES1983S Maestro-3i PCI Modem Accelerator
 2808 ES336H Fax Modem (Later Model)
 2838 ES2838/2839 SuperLink Modem
 2898 ES2898 Modem
 125d 0424 ES56-PI Data Fax Modem
 125d
 0425 ES56T-PI Data Fax Modem
 125d 0426 ES56V-PI Data Fax Modem
 125d 0427 VW-PI Data Fax Modem
 125d 0428 ES56ST-PI Data Fax Modem
 125d 0429 ES56SV-PI Data Fax Modem
 147a c001 ES56-PI Data Fax Modem
 148d 1030 HCF WV-PI56 [ESS ES56-PI Data Fax Modem]
 14fe 0428 ES56-PI Data Fax Modem
 14fe 0429 ES56-PI Data Fax Modem
 125e Specialvideo Engineering SRL
 125f Concurrent Technologies, Inc.
 1260 Intersil Corporation
 3872 Prism 2.5 Wavelan chipset
 1468 0202 LAN-Express IEEE 802.11b Wireless LAN
 3873 Prism 2.5 Wavelan chipset
 1186 3501 DWL-520 Wireless PCI Adapter
 1186 3700 DWL-520 Wireless PCI Adapter, Rev E1
 1385 4105 MA311 802.11b wireless adapter
 1668 0414 HWP01170-01 802.11b PCI Wireless Adapter
 16a5 1601 AIR.mate PC-400 PCI Wireless LAN Adapter
 1737 3874 WMP11 Wireless 802.11b PCI Adapter
 8086 2510 M3AWEB Wireless 802.11b MiniPCI Adapter
 8086 2513 Wireless 802.11b MiniPCI Adapter

3886 ISL3886 [Prism Javelin/Prism Xbow]
 17cf 0037
 XG-901 and clones Wireless Adapter
 3890 ISL3890 [Prism GT/Prism Duette]/ISL3886 [Prism Javelin/Prism Xbow]
 10b8 2802 SMC2802W Wireless PCI Adapter
 10b8 2835 SMC2835W Wireless Cardbus Adapter
 10b8 a835 SMC2835W V2 Wireless Cardbus Adapter
 1113 4203 WN4201B
 1113 8201 T-Com T-Sinus 154pcicard Wireless PCI Adapter
 1113 ee03 SMC2802W V2 Wireless PCI Adapter [ISL3886]
 1113 ee08 SMC2835W V3 EU Wireless Cardbus Adapter
 1186 3202 DWL-G650 A1 Wireless Adapter
 1259 c104 CG-WLCB54GT Wireless Adapter
 1260 0000 WG511 Wireless Adapter
 1385 4800 WG511 Wireless Adapter
 16a5 1605 ALLNET ALL0271 Wireless PCI Adapter
 17cf 0014 XG-600 and clones Wireless Adapter
 17cf 0020 XG-900 and clones Wireless Adapter
 8130 HMP8130 NTSC/PAL Video Decoder
 8131 HMP8131 NTSC/PAL Video Decoder
 # This is probably more likely a HW fault, but I am keeping it for now --mj
 ffff ISL3886IK
 1260 0000 Senao 3054MP+ (J) mini-PCI WLAN 802.11g adapter
 1261 Matsushita-Kotobuki Electronics
 Industries, Ltd.
 1262 ES Computer Company, Ltd.
 1263 Sonic Solutions
 1264 Aval Nagasaki Corporation
 1265 Casio Computer Co., Ltd.
 1266 Microdyne Corporation
 0001 NE10/100 Adapter (i82557B)
 1910 NE2000Plus (RT8029) Ethernet Adapter
 1266 1910 NE2000Plus Ethernet Adapter
 1267 S. A. Telecommunications
 5352 PCR2101
 5a4b Telsat Turbo
 1268 Tektronix
 1269 Thomson-CSF/TTM
 126a Lexmark International, Inc.
 126b Adax, Inc.
 126c Northern Telecom
 1211 10/100BaseTX [RTL81xx]
 126c 802.11b Wireless Ethernet Adapter
 126d Splash Technology, Inc.
 126e Sumitomo Metal Industries, Ltd.
 126f Silicon Motion, Inc.
 0501 SM501 VoyagerGX Rev. AA
 0510 SM501 VoyagerGX Rev. B

0710 SM710 LynxEM
 0712 SM712 LynxEM+
 0720 SM720 Lynx3DM
 0730 SM731 Cougar3DR
 0810 SM810 LynxE
 0811 SM811 LynxE
 0820 SM820 Lynx3D
 0910 SM910
 1270 Olympus Optical Co., Ltd.
 1271 GW Instruments
 1272 Telematics International
 1273 Hughes Network Systems
 0002 DirecPC
 1274 Ensoniq
 1171 ES1373
 [AudioPCI] (also Creative Labs CT5803)
 1371 ES1371 [AudioPCI-97]
 0e11 0024 AudioPCI on Motherboard Compaq Deskpro
 0e11 b1a7 ES1371, ES1373 AudioPCI
 1033 80ac ES1371, ES1373 AudioPCI
 1042 1854 Tazer
 107b 8054 Tabor2
 1274 1371 Creative Sound Blaster AudioPCI64V, AudioPCI128
 1274 8001 CT4751 board
 1462 6470 ES1371, ES1373 AudioPCI On Motherboard MS-6147 1.1A
 1462 6560 ES1371, ES1373 AudioPCI On Motherboard MS-6156 1.10
 1462 6630 ES1371, ES1373 AudioPCI On Motherboard MS-6163BX 1.0A
 1462 6631 ES1371, ES1373 AudioPCI On Motherboard MS-6163VIA 1.0A
 1462 6632 ES1371, ES1373 AudioPCI On Motherboard MS-6163BX 2.0A
 1462 6633 ES1371, ES1373 AudioPCI On Motherboard MS-6163VIA 2.0A
 1462 6820 ES1371, ES1373 AudioPCI On Motherboard MS-6182 1.00
 1462 6822 ES1371, ES1373 AudioPCI On Motherboard MS-6182 1.00A
 1462 6830 ES1371, ES1373 AudioPCI On Motherboard MS-6183 1.00
 1462 6880 ES1371, ES1373 AudioPCI On Motherboard MS-6188 1.00
 1462 6900 ES1371,
 ES1373 AudioPCI On Motherboard MS-6190 1.00
 1462 6910 ES1371, ES1373 AudioPCI On Motherboard MS-6191
 1462 6930 ES1371, ES1373 AudioPCI On Motherboard MS-6193
 1462 6990 ES1371, ES1373 AudioPCI On Motherboard MS-6199BX 2.0A
 1462 6991 ES1371, ES1373 AudioPCI On Motherboard MS-6199VIA 2.0A
 14a4 2077 ES1371, ES1373 AudioPCI On Motherboard KR639
 14a4 2105 ES1371, ES1373 AudioPCI On Motherboard MR800
 14a4 2107 ES1371, ES1373 AudioPCI On Motherboard MR801
 14a4 2172 ES1371, ES1373 AudioPCI On Motherboard DR739
 1509 9902 ES1371, ES1373 AudioPCI On Motherboard KW11
 1509 9903 ES1371, ES1373 AudioPCI On Motherboard KW31
 1509 9904 ES1371, ES1373 AudioPCI On Motherboard KA11
 1509 9905 ES1371, ES1373 AudioPCI On Motherboard KC13

152d 8801 ES1371, ES1373 AudioPCI On Motherboard CP810E
 152d 8802 ES1371, ES1373 AudioPCI On Motherboard CP810
 152d 8803 ES1371, ES1373 AudioPCI On Motherboard P3810E
 152d 8804 ES1371, ES1373 AudioPCI On Motherboard P3810-S
 152d
 8805 ES1371, ES1373 AudioPCI On Motherboard P3820-S
 270f 2001 ES1371, ES1373 AudioPCI On Motherboard 6CTR
 270f 2200 ES1371, ES1373 AudioPCI On Motherboard 6WTX
 270f 3000 ES1371, ES1373 AudioPCI On Motherboard 6WSV
 270f 3100 ES1371, ES1373 AudioPCI On Motherboard 6WIV2
 270f 3102 ES1371, ES1373 AudioPCI On Motherboard 6WIV
 270f 7060 ES1371, ES1373 AudioPCI On Motherboard 6ASA2
 8086 4249 ES1371, ES1373 AudioPCI On Motherboard BI440ZX
 8086 424c ES1371, ES1373 AudioPCI On Motherboard BL440ZX
 8086 425a ES1371, ES1373 AudioPCI On Motherboard BZ440ZX
 8086 4341 ES1371, ES1373 AudioPCI On Motherboard Cayman
 8086 4343 ES1371, ES1373 AudioPCI On Motherboard Cape Cod
 8086 4541 D815EEA Motherboard
 8086 4649 ES1371, ES1373 AudioPCI On Motherboard Fire Island
 8086 464a ES1371, ES1373 AudioPCI On Motherboard FJ440ZX
 8086 4d4f ES1371, ES1373 AudioPCI On Motherboard Montreal
 8086 4f43 ES1371, ES1373 AudioPCI On Motherboard OC440LX
 8086 5243 ES1371,
 ES1373 AudioPCI On Motherboard RC440BX
 8086 5352 ES1371, ES1373 AudioPCI On Motherboard SunRiver
 8086 5643 ES1371, ES1373 AudioPCI On Motherboard Vancouver
 8086 5753 ES1371, ES1373 AudioPCI On Motherboard WS440BX
 5000 ES1370 [AudioPCI]
 5880 5880 AudioPCI
 1274 2000 Creative Sound Blaster AudioPCI128
 1274 2003 Creative SoundBlaster AudioPCI 128
 1274 5880 Creative Sound Blaster AudioPCI128
 1274 8001 Sound Blaster 16PCI 4.1ch
 1458 a000 5880 AudioPCI On Motherboard 6OXET
 1462 6880 5880 AudioPCI On Motherboard MS-6188 1.00
 270f 2001 5880 AudioPCI On Motherboard 6CTR
 270f 2200 5880 AudioPCI On Motherboard 6WTX
 270f 7040 5880 AudioPCI On Motherboard 6ATA4
 1275 Network Appliance Corporation
 1276 Switched Network Technologies, Inc.
 1277 Comstream
 1278 Transtech Parallel Systems Ltd.
 0701 TPE3/TM3 PowerPC Node
 0710 TPE5 PowerPC PCI board
 1279 Transmeta Corporation
 0060 TM8000 Northbridge
 0061 TM8000 AGP bridge
 0295 Northbridge

0395 LongRun
 Northbridge
 0396 SDRAM controller
 0397 BIOS scratchpad
 127a Rockwell International
 1002 HCF 56k Data/Fax Modem
 1092 094c SupraExpress 56i PRO [Diamond SUP2380]
 122d 4002 HPG / MDP3858-U
 122d 4005 MDP3858-E
 122d 4007 MDP3858-A/-NZ
 122d 4012 MDP3858-SA
 122d 4017 MDP3858-W
 122d 4018 MDP3858-W
 127a 1002 Rockwell 56K D/F HCF Modem
 1003 HCF 56k Data/Fax Modem
 0e11 b0bc 229-DF Zephyr
 0e11 b114 229-DF Cheetah
 1033 802b 229-DF
 13df 1003 PCI56RX Modem
 13e0 0117 IBM
 13e0 0147 IBM F-1156IV+/R3 Spain V.90 Modem
 13e0 0197 IBM
 13e0 01c7 IBM F-1156IV+/R3 WW V.90 Modem
 13e0 01f7 IBM
 1436 1003 IBM
 1436 1103 IBM 5614PM3G V.90 Modem
 1436 1602 Compaq 229-DF Ducati
 1004 HCF 56k Data/Fax/Voice Modem
 1048 1500 MicroLink 56k Modem
 10cf 1059 Fujitsu 229-DFRT
 1005 HCF 56k Data/Fax/Voice/Spkp (w/Handset) Modem
 1005 127a AOpen FM56-P
 1033 8029 229-DFSV
 1033 8054 Modem
 10cf 103c Fujitsu
 10cf 1055 Fujitsu 229-DFSV
 10cf
 1056 Fujitsu 229-DFSV
 122d 4003 MDP3858SP-U
 122d 4006 Packard Bell MDP3858V-E
 122d 4008 MDP3858SP-A/SP-NZ
 122d 4009 MDP3858SP-E
 122d 4010 MDP3858V-U
 122d 4011 MDP3858SP-SA
 122d 4013 MDP3858V-A/V-NZ
 122d 4015 MDP3858SP-W
 122d 4016 MDP3858V-W
 122d 4019 MDP3858V-SA

13df 1005 PCI56RVP Modem
13e0 0187 IBM
13e0 01a7 IBM
13e0 01b7 IBM DF-1156IV+/R3 Spain V.90 Modem
13e0 01d7 IBM DF-1156IV+/R3 WW V.90 Modem
1436 1005 IBM
1436 1105 IBM
1437 1105 IBM 5614PS3G V.90 Modem
1022 HCF 56k Modem
1436 1303 M3-5614PM3G V.90 Modem
1023 HCF 56k Data/Fax Modem
122d 4020 Packard Bell MDP3858-WE
122d 4023 MDP3858-UE
13e0 0247 IBM F-1156IV+/R6 Spain V.90 Modem
13e0 0297 IBM
13e0 02c7 IBM F-1156IV+/R6 WW V.90 Modem
1436 1203 IBM
1436 1303 IBM
1024 HCF 56k Data/Fax/Voice Modem
1025 HCF 56k Data/Fax/Voice/Spkp (w/Handset) Modem
10cf 106a Fujitsu 235-DFSV
122d 4021 Packard Bell MDP3858V-WE
122d 4022 MDP3858SP-WE
122d
4024 MDP3858V-UE
122d 4025 MDP3858SP-UE
1026 HCF 56k PCI Speakerphone Modem
1032 HCF 56k Modem
1033 HCF 56k Modem
1034 HCF 56k Modem
1035 HCF 56k PCI Speakerphone Modem
1036 HCF 56k Modem
1085 HCF 56k Volcano PCI Modem
2005 HCF 56k Data/Fax Modem
104d 8044 229-DFSV
104d 8045 229-DFSV
104d 8055 PBE/Aztech 235W-DFSV
104d 8056 235-DFSV
104d 805a Modem
104d 805f Modem
104d 8074 Modem
2013 HSF 56k Data/Fax Modem
1179 0001 Modem
1179 ff00 Modem
2014 HSF 56k Data/Fax/Voice Modem
10cf 1057 Fujitsu Citicorp III
122d 4050 MSP3880-U
122d 4055 MSP3880-W

2015 HSF 56k Data/Fax/Voice/Spkp (w/Handset) Modem
 10cf 1063 Fujitsu
 10cf 1064 Fujitsu
 1468 2015 Fujitsu
 2016 HSF 56k Data/Fax/Voice/Spkp Modem
 122d 4051 MSP3880V-W
 122d 4052 MSP3880SP-W
 122d 4054 MSP3880V-U
 122d 4056 MSP3880SP-U
 122d 4057 MSP3880SP-A
 4311 Riptide HSF 56k PCI Modem
 127a 4311 Ring Modular? Riptide HSF RT HP Dom
 13e0 0210 HP-GVC
 4320
 Riptide PCI Audio Controller
 1235 4320 Riptide PCI Audio Controller
 4321 Riptide HCF 56k PCI Modem
 1235 4321 Hewlett Packard DF
 1235 4324 Hewlett Packard DF
 13e0 0210 Hewlett Packard DF
 144d 2321 Riptide
 4322 Riptide PCI Game Controller
 1235 4322 Riptide PCI Game Controller
 8234 RapidFire 616X ATM155 Adapter
 108d 0022 RapidFire 616X ATM155 Adapter
 108d 0027 RapidFire 616X ATM155 Adapter
 127b Pixera Corporation
 127c Crosspoint Solutions, Inc.
 127d Vela Research
 127e Winnov, L.P.
 127f Fujifilm
 1280 Photoscript Group Ltd.
 1281 Yokogawa Electric Corporation
 1282 Davicom Semiconductor, Inc.
 9009 Ethernet 100/10 MBit
 9100 21x4x DEC-Tulip compatible 10/100 Ethernet
 9102 21x4x DEC-Tulip compatible 10/100 Ethernet
 9132 Ethernet 100/10 MBit
 1283 Integrated Technology Express, Inc.
 673a IT8330G
 8152 IT8152F/G Advanced RISC-to-PCI Companion Chip
 8211 ITE 8211F Single Channel UDMA 133
 1043 8138 P5GD1-VW Mainboard
 # PCI version seems to be IT8212,
 embedded seems to be ITE8212
 8212 IT/ITE8212 Dual channel ATA RAID controller
 1283 0001 IT/ITE8212 Dual channel ATA RAID controller
 8330 IT8330G

8872 IT8874F PCI Dual Serial Port Controller
8888 IT8888F PCI to ISA Bridge with SMB
8889 IT8889F PCI to ISA Bridge
e886 IT8330G
1284 Sahara Networks, Inc.
1285 Platform Technologies, Inc.
0100 AGOGO sound chip (aka ESS Maestro 1)
1286 Mazet GmbH
1287 M-Pact, Inc.
001e LS220D DVD Decoder
001f LS220C DVD Decoder
1288 Timestep Corporation
1289 AVC Technology, Inc.
128a Asante Technologies, Inc.
128b Transwitch Corporation
128c Retix Corporation
128d G2 Networks, Inc.
0021 ATM155 Adapter
128e Hoontech Corporation/Samho Multi Tech Ltd.
0008 ST128 WSS/SB
0009 ST128 SAM9407
000a ST128 Game Port
000b ST128 MPU Port
000c ST128 Ctrl Port
128f Tatenno Dennou, Inc.
1290 Sord Computer Corporation
1291 NCS Computer Italia
1292 Tritech Microelectronics Inc
fc02 Pyramid3D TR25202
1293 Media Reality Technology
1294
Rhetorex, Inc.
1295 Imagenation Corporation
1296 Kofax Image Products
1297 Holco Enterprise Co, Ltd/Shuttle Computer
1298 Spellcaster Telecommunications Inc.
1299 Knowledge Technology Lab.
129a VMetro, inc.
0615 PBT-615 PCI-X Bus Analyzer
129b Image Access
129c Jaycor
129d Compcore Multimedia, Inc.
129e Victor Company of Japan, Ltd.
129f OEC Medical Systems, Inc.
12a0 Allen-Bradley Company
12a1 Simpack Associates, Inc.
12a2 Newgen Systems Corporation
12a3 Lucent Technologies

8105 T8105 H100 Digital Switch
 12a4 NTT Electronics Technology Company
 12a5 Vision Dynamics Ltd.
 12a6 Scalable Networks, Inc.
 12a7 AMO GmbH
 12a8 News Datacom
 12a9 Xiotech Corporation
 12aa SDL Communications, Inc.
 12ab Yuan Yuan Enterprise Co., Ltd.
 0000 MPG160/Kuroutoshikou ITVC15-STVLP
 0002 AU8830 [Vortex2] Based Sound Card With A3D Support
 2300 Club-3D Zap TV2100
 3000 MPG-200C PCI DVD Decoder Card
 fff3 MPG600/Kuroutoshikou ITVC16-STVLP
 ffff MPG600/Kuroutoshikou ITVC16-STVLP
 12ac
 Measurex Corporation
 12ad Multidata GmbH
 12ae Alteon Networks Inc.
 0001 AceNIC Gigabit Ethernet
 1014 0104 Gigabit Ethernet-SX PCI Adapter
 12ae 0001 Gigabit Ethernet-SX (Universal)
 1410 0104 Gigabit Ethernet-SX PCI Adapter
 0002 AceNIC Gigabit Ethernet (Copper)
 10a9 8002 Acenic Gigabit Ethernet
 12ae 0002 Gigabit Ethernet-T (3C986-T)
 00fa Farallon PN9100-T Gigabit Ethernet
 12af TDK USA Corp
 12b0 Jorge Scientific Corp
 12b1 GammaLink
 12b2 General Signal Networks
 12b3 Inter-Face Co Ltd
 12b4 FutureTel Inc
 12b5 Granite Systems Inc.
 12b6 Natural Microsystems
 12b7 Cognex Modular Vision Systems Div. - Acumen Inc.
 12b8 Korg
 # Nee US Robotics
 12b9 3Com Corp, Modem Division
 1006 WinModem
 12b9 005c USR 56k Internal Voice WinModem (Model 3472)
 12b9 005e USR 56k Internal WinModem (Models 662975)
 12b9 0062 USR 56k Internal Voice WinModem (Model 662978)
 12b9 0068 USR 56k Internal Voice WinModem (Model 5690)
 12b9 007a USR 56k Internal Voice
 WinModem (Model 662974)
 12b9 007f USR 56k Internal WinModem (Models 5698, 5699)
 12b9 0080 USR 56k Internal WinModem (Models 2975, 3528)

12b9 0081 USR 56k Internal Voice WinModem (Models 2974, 3529)
 12b9 0091 USR 56k Internal Voice WinModem (Model 2978)
 1007 USR 56k Internal WinModem
 12b9 00a3 USR 56k Internal WinModem (Model 3595)
 12b9 00c4 U.S. Robotics 56K Voice Win Int (2884a)
 1008 56K FaxModem Model 5610
 12b9 00a2 USR 56k Internal FAX Modem (Model 2977)
 12b9 00aa USR 56k Internal Voice Modem (Model 2976)
 12b9 00ab USR 56k Internal Voice Modem (Model 5609)
 12b9 00ac USR 56k Internal Voice Modem (Model 3298)
 12b9 00ad USR 56k Internal FAX Modem (Model 5610)
 12ba BittWare, Inc.
 12bb Nippon Unisoft Corporation
 12bc Array Microsystems
 12bd Computerm Corp.
 12be Anchor Chips Inc.
 3041 AN3041Q CO-MEM
 3042 AN3042Q CO-MEM Lite
 12be 3042 Anchor Chips Lite Evaluation Board
 12bf Fujifilm Microdevices
 12c0 Infimed
 12c1 GMM Research Corp
 12c2
 Mentec Limited
 12c3 Holtek Microelectronics Inc
 0058 PCI NE2K Ethernet
 5598 PCI NE2K Ethernet
 12c4 Connect Tech Inc
 0001 Blue HEAT/PCI 8 (RS232/CL/RJ11)
 0002 Blue HEAT/PCI 4 (RS232)
 0003 Blue HEAT/PCI 2 (RS232)
 0004 Blue HEAT/PCI 8 (UNIV, RS485)
 0005 Blue HEAT/PCI 4+4/6+2 (UNIV, RS232/485)
 0006 Blue HEAT/PCI 4 (OPTO, RS485)
 0007 Blue HEAT/PCI 2+2 (RS232/485)
 0008 Blue HEAT/PCI 2 (OPTO, Tx, RS485)
 0009 Blue HEAT/PCI 2+6 (RS232/485)
 000a Blue HEAT/PCI 8 (Tx, RS485)
 000b Blue HEAT/PCI 4 (Tx, RS485)
 000c Blue HEAT/PCI 2 (20 MHz, RS485)
 000d Blue HEAT/PCI 2 PTM
 0100 NT960/PCI
 0201 cPCI Titan - 2 Port
 0202 cPCI Titan - 4 Port
 0300 CTI PCI UART 2 (RS232)
 0301 CTI PCI UART 4 (RS232)
 0302 CTI PCI UART 8 (RS232)
 0310 CTI PCI UART 1+1 (RS232/485)

0311 CTI PCI UART 2+2 (RS232/485)
 0312 CTI PCI UART 4+4 (RS232/485)
 0320 CTI PCI UART 2
 0321 CTI PCI UART 4
 0322 CTI PCI UART 8
 0330 CTI PCI UART 2 (RS485)
 0331 CTI PCI UART 4 (RS485)
 0332 CTI
 PCI UART 8 (RS485)
 12c5 Picture Elements Incorporated
 007e Imaging/Scanning Subsystem Engine
 007f Imaging/Scanning Subsystem Engine
 0081 PCIVST [Grayscale Thresholding Engine]
 0085 Video Simulator/Sender
 0086 THR2 Multi-scale Thresholder
 12c6 Mitani Corporation
 12c7 Dialogic Corp
 12c8 G Force Co, Ltd
 12c9 Gigi Operations
 12ca Integrated Computing Engines
 12cb Antex Electronics Corporation
 12cc Pluto Technologies International
 12cd Aims Lab
 12ce Netspeed Inc.
 12cf Prophet Systems, Inc.
 12d0 GDE Systems, Inc.
 12d1 PSITech
 12d2 NVidia / SGS Thomson (Joint Venture)
 0008 NV1
 0009 DAC64
 0018 Riva128
 1048 0c10 VICTORY Erazor
 107b 8030 STB Velocity 128
 1092 0350 Viper V330
 1092 1092 Viper V330
 10b4 1b1b STB Velocity 128
 10b4 1b1d STB Velocity 128
 10b4 1b1e STB Velocity 128, PAL TV-Out
 10b4 1b20 STB Velocity 128 Sapphire
 10b4 1b21 STB Velocity 128
 10b4 1b22 STB Velocity 128 AGP, NTSC TV-Out
 10b4 1b23 STB Velocity 128 AGP, PAL TV-Out
 10b4
 1b27 STB Velocity 128 DVD
 10b4 1b88 MVP Pro 128
 10b4 222a STB Velocity 128 AGP
 10b4 2230 STB Velocity 128
 10b4 2232 STB Velocity 128

10b4 2235 STB Velocity 128 AGP
2a15 54a3 3DVision-SAGP / 3DexPlorer 3000
0019 Riva128ZX
0020 TNT
0028 TNT2
0029 UTNT2
002c VTNT2
00a0 ITNT2
12d3 Vingmed Sound A/S
12d4 Ulticom (Formerly DGM&S)
0200 T1 Card
12d5 Equator Technologies Inc
0003 BSP16
1000 BSP15
12d6 Analogic Corp
12d7 Biotronic SRL
12d8 Pericom Semiconductor
01a7 PI7C21P100 PCI to PCI Bridge
8150 PCI to PCI Bridge
12d9 Aculab PLC
0002 PCI Prosody
0004 cPCI Prosody
0005 Aculab E1/T1 PCI card
1078 Prosody X class e1000 device
12d9 000d Prosody X PCI
12da True Time Inc.
12db Annapolis Micro Systems, Inc
12dc Symicron Computer Communication Ltd.
12dd Management Graphics
12de Rainbow Technologies
0200 CryptoSwift CS200
12df SBS Technologies Inc
12e0 Chase Research
0010 ST16C654 Quad UART
0020 ST16C654 Quad UART
0030
ST16C654 Quad UART
12e1 Nintendo Co, Ltd
12e2 Datum Inc. Bancomm-Timing Division
12e3 Imation Corp - Medical Imaging Systems
12e4 Brooktrout Technology Inc
12e5 Apex Semiconductor Inc
12e6 Cirel Systems
12e7 Sunsgroup Corporation
12e8 Crisc Corp
12e9 GE Spacenet
12ea Zuken
12eb Aureal Semiconductor

0001 Vortex 1
 104d 8036 AU8820 Vortex Digital Audio Processor
 1092 2000 Sonic Impact A3D
 1092 2100 Sonic Impact A3D
 1092 2110 Sonic Impact A3D
 1092 2200 Sonic Impact A3D
 122d 1002 AU8820 Vortex Digital Audio Processor
 12eb 0001 AU8820 Vortex Digital Audio Processor
 5053 3355 Montego
 0002 Vortex 2
 104d 8049 AU8830 Vortex 3D Digital Audio Processor
 104d 807b AU8830 Vortex 3D Digital Audio Processor
 1092 3000 Monster Sound II
 1092 3001 Monster Sound II
 1092 3002 Monster Sound II
 1092 3003 Monster Sound II
 1092 3004 Monster Sound II
 12eb 0002 AU8830 Vortex 3D Digital Audio Processor
 12eb 0088 AU8830 Vortex 3D Digital Audio Processor
 144d
 3510 AU8830 Vortex 3D Digital Audio Processor
 5053 3356 Montego II
 0003 AU8810 Vortex Digital Audio Processor
 104d 8049 AU8810 Vortex Digital Audio Processor
 104d 8077 AU8810 Vortex Digital Audio Processor
 109f 1000 AU8810 Vortex Digital Audio Processor
 12eb 0003 AU8810 Vortex Digital Audio Processor
 1462 6780 AU8810 Vortex Digital Audio Processor
 14a4 2073 AU8810 Vortex Digital Audio Processor
 14a4 2091 AU8810 Vortex Digital Audio Processor
 14a4 2104 AU8810 Vortex Digital Audio Processor
 14a4 2106 AU8810 Vortex Digital Audio Processor
 8803 Vortex 56k Software Modem
 12eb 8803 Vortex 56k Software Modem
 12ec 3A International, Inc.
 12ed Optivision Inc.
 12ee Orange Micro
 12ef Vienna Systems
 12f0 Pentek
 12f1 Sorenson Vision Inc
 12f2 Gammagraphx, Inc.
 12f3 Radstone Technology
 12f4 Megatel
 12f5 Forks
 12f6 Dawson France
 12f7 Cognex
 12f8 Electronic Design GmbH
 0002 VideoMaker

12f9 Four Fold Ltd
12fb Spectrum Signal Processing
0001
PMC-MAI
00f5 F5 Dakar
02ad PMC-2MAI
2adc ePMC-2ADC
3100 PRO-3100
3500 PRO-3500
4d4f Modena
8120 ePMC-8120
da62 Daytona C6201 PCI (Hurricane)
db62 Ingliston XBIF
dc62 Ingliston PLX9054
dd62 Ingliston JTAG/ISP
eddc ePMC-MSDDC
fa01 ePMC-FPGA
12fc Capital Equipment Corp
12fd I2S
12fe ESD Electronic System Design GmbH
12ff Lexicon
1300 Harman International Industries Inc
1302 Computer Sciences Corp
1303 Innovative Integration
1304 Juniper Networks
1305 Netphone, Inc
1306 Duet Technologies
Nee ComputerBoards
1307 Measurement Computing
0001 PCI-DAS1602/16
000b PCI-DIO48H
000c PCI-PDISO8
000d PCI-PDISO16
000f PCI-DAS1200
0010 PCI-DAS1602/12
0014 PCI-DIO24H
0015 PCI-DIO24H/CTR3
0016 PCI-DIO48H/CTR15
0017 PCI-DIO96H
0018 PCI-CTR05
0019 PCI-DAS1200/JR
001a PCI-DAS1001
001b PCI-DAS1002
001c PCI-DAS1602JR/16
001d PCI-DAS6402/16
001e PCI-DAS6402/12
001f PCI-DAS16/M1
0020 PCI-DDA02/12

0021 PCI-DDA04/12
 0022 PCI-DDA08/12
 0023
 PCI-DDA02/16
 0024 PCI-DDA04/16
 0025 PCI-DDA08/16
 0026 PCI-DAC04/12-HS
 0027 PCI-DAC04/16-HS
 0028 PCI-DIO24
 0029 PCI-DAS08
 002c PCI-INT32
 0033 PCI-DUAL-AC5
 0034 PCI-DAS-TC
 0035 PCI-DAS64/M1/16
 0036 PCI-DAS64/M2/16
 0037 PCI-DAS64/M3/16
 004c PCI-DAS1000
 004d PCI-QUAD04
 0052 PCI-DAS4020/12
 0054 PCI-DIO96
 005e PCI-DAS6025
 1308 Jato Technologies Inc.
 0001 NetCelerator Adapter
 1308 0001 NetCelerator Adapter
 1309 AB Semiconductor Ltd
 130a Mitsubishi Electric Microcomputer
 130b Colorgraphic Communications Corp
 130c Ambex Technologies, Inc
 130d Accelerix Inc
 130e Yamatake-Honeywell Co. Ltd
 130f Advanet Inc
 1310 Gespac
 1311 Videoserver, Inc
 1312 Acuity Imaging, Inc
 1313 Yaskawa Electric Co.
 1316 Teradyne Inc
 1317 ADMtek
 0981 21x4x DEC-Tulip compatible 10/100 Ethernet
 0985 NC100 Network Everywhere Fast Ethernet 10/100
 1734 100c Scenic N300 ADMtek AN983 10/100 Mbps PCI Adapter
 1985 21x4x DEC-Tulip compatible 10/100 Ethernet
 2850
 HSP MicroModem 56
 5120 ADM5120 OpenGate System-on-Chip
 8201 ADM8211 802.11b Wireless Interface
 10b8 2635 SMC2635W 802.11b (11Mbps) wireless lan pcmcia (cardbus) card
 1317 8201 SMC2635W 802.11b (11Mbps) wireless lan pcmcia (cardbus) card
 8211 ADM8211 802.11b Wireless Interface

9511 21x4x DEC-Tulip compatible 10/100 Ethernet
 1318 Packet Engines Inc.
 0911 GNIC-II PCI Gigabit Ethernet [Hamachi]
 1319 Fortemedia, Inc
 0801 Xwave QS3000A [FM801]
 1319 1319 FM801 PCI Audio
 0802 Xwave QS3000A [FM801 game port]
 1319 1319 FM801 PCI Joystick
 1000 FM801 PCI Audio
 1001 FM801 PCI Joystick
 131a Finisar Corp.
 131c Nippon Electro-Sensory Devices Corp
 131d Sysmic, Inc.
 131e Xinex Networks Inc
 131f Siig Inc
 1000 CyberSerial (1-port) 16550
 1001 CyberSerial (1-port) 16650
 1002 CyberSerial (1-port) 16850
 1010 Duet 1S(16550)+1P
 1011 Duet 1S(16650)+1P
 1012 Duet 1S(16850)+1P
 1020 CyberParallel (1-port)
 1021 CyberParallel (2-port)
 1030 CyberSerial (2-port)
 16550
 1031 CyberSerial (2-port) 16650
 1032 CyberSerial (2-port) 16850
 1034 Trio 2S(16550)+1P
 1035 Trio 2S(16650)+1P
 1036 Trio 2S(16850)+1P
 1050 CyberSerial (4-port) 16550
 1051 CyberSerial (4-port) 16650
 1052 CyberSerial (4-port) 16850
 2000 CyberSerial (1-port) 16550
 2001 CyberSerial (1-port) 16650
 2002 CyberSerial (1-port) 16850
 2010 Duet 1S(16550)+1P
 2011 Duet 1S(16650)+1P
 2012 Duet 1S(16850)+1P
 2020 CyberParallel (1-port)
 2021 CyberParallel (2-port)
 2030 CyberSerial (2-port) 16550
 131f 2030 PCI Serial Card
 2031 CyberSerial (2-port) 16650
 2032 CyberSerial (2-port) 16850
 2040 Trio 1S(16550)+2P
 2041 Trio 1S(16650)+2P
 2042 Trio 1S(16850)+2P

2050 CyberSerial (4-port) 16550
2051 CyberSerial (4-port) 16650
2052 CyberSerial (4-port) 16850
2060 Trio 2S(16550)+1P
2061 Trio 2S(16650)+1P
2062 Trio 2S(16850)+1P
2081 CyberSerial (8-port) ST16654
1320 Crypto AG
1321 Arcobel Graphics BV
1322 MTT Co., Ltd
1323 Dome Inc
1324 Sphere Communications
1325
 Salix Technologies, Inc
1326 Seachange international
1327 Voss scientific
1328 quadrant international
1329 Productivity Enhancement
132a Microcom Inc.
132b Broadband Technologies
132c Micrel Inc
132d Integrated Silicon Solution, Inc.
1330 MMC Networks
1331 RadiSys Corporation
0030 ENP-2611
8200 82600 Host Bridge
8201 82600 IDE
8202 82600 USB
8210 82600 PCI Bridge
1332 Micro Memory
5415 MM-5415CN PCI Memory Module with Battery Backup
5425 MM-5425CN PCI 64/66 Memory Module with Battery Backup
6140 MM-6140D
1334 Redcreek Communications, Inc
1335 Videomail, Inc
1337 Third Planet Publishing
1338 BT Electronics
133a Vtel Corp
133b Softcom Microsystems
133c Holontech Corp
133d SS Technologies
133e Virtual Computer Corp
133f SCM Microsystems
1340 Atalla Corp
1341 Kyoto Microcomputer Co
1342 Promax Systems Inc
1343 Phylon Communications Inc
1344 Crucial Technology

1345 Arescom Inc
1347 Odetics
1349 Sumitomo Electric Industries, Ltd.
134a
DTC Technology Corp.
0001 Domex 536
0002 Domex DMX3194UP SCSI Adapter
134b ARK Research Corp.
134c Chori Joho System Co. Ltd
134d PCTel Inc
2189 HSP56 MicroModem
2486 2304WT V.92 MDC Modem
7890 HSP MicroModem 56
134d 0001 PCT789 adapter
7891 HSP MicroModem 56
134d 0001 HSP MicroModem 56
7892 HSP MicroModem 56
7893 HSP MicroModem 56
7894 HSP MicroModem 56
7895 HSP MicroModem 56
7896 HSP MicroModem 56
7897 HSP MicroModem 56
134e CSTI
134f Algo System Co Ltd
1350 Systec Co. Ltd
1351 Sonix Inc
1353 Thales Idatys
0002 Proserver
0003 PCI-FUT
0004 PCI-S0
0005 PCI-FUT-S0
1354 Dwave System Inc
1355 Kratos Analytical Ltd
1356 The Logical Co
1359 Prisa Networks
135a Brain Boxes
135b Giganet Inc
135c Quatech Inc
0010 QSC-100
0020 DSC-100
0030 DSC-200/300
0040 QSC-200/300
0050 ESC-100D
0060 ESC-100M
00f0 MPAC-100 Synchronous Serial Card (Zilog 85230)
0170 QSCLP-100
0180 DSCLP-100
0190 SSCLP-100

01a0 QSCLP-200/300
 01b0
 DSCLP-200/300
 01c0 SSCLP-200/300
 135d ABB Network Partner AB
 135e Sealevel Systems Inc
 5101 Route 56.PCI - Multi-Protocol Serial Interface (Zilog Z16C32)
 7101 Single Port RS-232/422/485/530
 7201 Dual Port RS-232/422/485 Interface
 7202 Dual Port RS-232 Interface
 7401 Four Port RS-232 Interface
 7402 Four Port RS-422/485 Interface
 7801 Eight Port RS-232 Interface
 7804 Eight Port RS-232/422/485 Interface
 8001 8001 Digital I/O Adapter
 135f I-Data International A-S
 1360 Meinberg Funkuhren
 0101 PCI32 DCF77 Radio Clock
 0102 PCI509 DCF77 Radio Clock
 0103 PCI510 DCF77 Radio Clock
 0104 PCI511 DCF77 Radio Clock
 0201 GPS167PCI GPS Receiver
 0202 GPS168PCI GPS Receiver
 0203 GPS169PCI GPS Receiver
 0204 GPS170PCI GPS Receiver
 0301 TCR510PCI IRIG Timecode Reader
 0302 TCR167PCI IRIG Timecode Reader
 0303 TCR511PCI IRIG Timecode Reader
 1361 Soliton Systems K.K.
 1362 Fujifacom Corporation
 1363 Phoenix Technology Ltd
 1364 ATM Communications Inc
 1365 Hypercope
 GmbH
 1366 Teijin Seiki Co. Ltd
 1367 Hitachi Zosen Corporation
 1368 Skyware Corporation
 1369 Digigram
 136a High Soft Tech
 0004 HST Saphir VII mini PCI
 0007 HST Saphir III E MultiLink 4
 0008 HST Saphir III E MultiLink 8
 000a HST Saphir III E MultiLink 2
 136b Kawasaki Steel Corporation
 ff01 KL5A72002 Motion JPEG
 136c Adtek System Science Co Ltd
 136d Gigalabs Inc
 136f Applied Magic Inc

1370 ATL Products
 1371 CNet Technology Inc
 434e GigaCard Network Adapter
 1371 434e N-Way PCI-Bus Giga-Card 1000/100/10Mbps(L)
 1373 Silicon Vision Inc
 1374 Silicom Ltd.
 0024 Silicom Dual port Giga Ethernet BGE Bypass Server Adapter
 0025 Silicom Quad port Giga Ethernet BGE Bypass Server Adapter
 0026 Silicom Dual port Fiber Giga Ethernet 546 Bypass Server Adapter
 0027 Silicom Dual port Fiber LX Giga Ethernet 546 Bypass Server Adapter
 0029 Silicom Dual port Copper Giga Ethernet 546GB Bypass Server Adapter
 002a Silicom Dual port Fiber Giga Ethernet 546 TAP/Bypass Server
 Adapter
 002b Silicom Dual port Copper Fast Ethernet 546 TAP/Bypass Server Adapter (PXE2TBI)
 002c Silicom Quad port Copper Giga Ethernet 546GB Bypass Server Adapter (PXG4BPI)
 002d Silicom Quad port Fiber-SX Giga Ethernet 546GB Bypass Server Adapter (PXG4BPFI)
 002e Silicom Quad port Fiber-LX Giga Ethernet 546GB Bypass Server Adapter (PXG4BPFI-LX)
 002f Silicom Dual port Fiber-SX Giga Ethernet 546GB Low profile Bypass Server Adapter (PXG2BPFIL)
 0030 Silicom Dual port Fiber-LX Giga Ethernet 546GB Low profile Bypass Server Adapter
 0031 Silicom Quad port Copper Giga Ethernet PCI-E Bypass Server Adapter
 0032 Silicom Dual port Copper Fast Ethernet 546 TAP/Bypass Server Adapter
 0034 Silicom Dual port Copper Giga Ethernet PCI-E BGE Bypass Server Adapter
 0035 Silicom Quad port Copper Giga Ethernet PCI-E BGE Bypass Server Adapter
 0036 Silicom Dual port Fiber Giga Ethernet PCI-E BGE Bypass Server Adapter
 0037 Silicom Quad port Copper Ethernet PCI-E Intel based Bypass Server
 Adapter
 0038 Silicom Quad port Copper Ethernet PCI-E Intel based Bypass Server Adapter
 0039 Silicom Dual port Fiber-SX Ethernet PCI-E Intel based Bypass Server Adapter
 003a Silicom Dual port Fiber-LX Ethernet PCI-E Intel based Bypass Server Adapter
 003b Silicom Dual port Fiber Ethernet PMC Intel based Bypass Server Adapter (PMCX2BPFI)
 003c Silicom Dual port Copper Ethernet PCI-X BGE based Bypass Server Adapter (PXG2BPRB)
 1375 Argosystems Inc
 1376 LMC
 1377 Electronic Equipment Production & Distribution GmbH
 1378 Telemann Co. Ltd
 1379 Asahi Kasei Microsystems Co Ltd
 137a Mark of the Unicorn Inc
 0001 PCI-324 Audiowire Interface
 137b PPT Vision
 137c Iwatsu Electric Co Ltd
 137d Dynachip Corporation
 137e Patriot Scientific Corporation
 137f Japan Satellite Systems Inc
 1380 Sanritz Automation Co Ltd
 1381 Brains Co. Ltd
 1382 Marian - Electronic & Software
 0001 ARC88 audio recording card
 2008 Prodif 96 Pro sound system

2048 Prodif Plus sound system
2088 Marc 8
Midi sound system
20c8 Marc A sound system
4008 Marc 2 sound system
4010 Marc 2 Pro sound system
4048 Marc 4 MIDI sound system
4088 Marc 4 Digi sound system
4248 Marc X sound system
4424 TRACE D4 Sound System
1383 Controlnet Inc
1384 Reality Simulation Systems Inc
1385 Netgear
0013 WG311T 108 Mbps Wireless PCI Adapter
006b WA301 802.11b Wireless PCI Adapter
311a GA311 Gigabit Ethernet PCI Adapter
4100 MA301 802.11b Wireless PCI Adapter
4105 MA311 802.11b Wireless PCI Adapter
4251 WG111T 108 Mbps Wireless USB 2.0 Adapter
4400 WAG511 802.11a/b/g Dual Band Wireless PC Card
4600 WAG511 802.11a/b/g Dual Band Wireless PC Card
4601 WAG511 802.11a/b/g Dual Band Wireless PC Card
4610 WAG511 802.11a/b/g Dual Band Wireless PC Card
4800 WG511(v1) 54 Mbps Wireless PC Card
4900 WG311v1 54 Mbps Wireless PCI Adapter
4a00 WAG311 802.11a/g Wireless PCI Adapter
4b00 WG511T 108 Mbps Wireless PC Card
4c00 WG311v2 54 Mbps Wireless PCI Adapter
4d00 WG311T 108
Mbps Wireless PCI Adapter
4e00 WG511v2 54 Mbps Wireless PC Card
4f00 WG511U Double 108 Mbps Wireless PC Card
5200 GA511 Gigabit PC Card
620a GA620 Gigabit Ethernet
622a GA622
630a GA630 Gigabit Ethernet
6b00 WG311v3 54 Mbps Wireless PCI Adapter
6d00 WPNT511 RangeMax 240 Mbps Wireless PC Card
7b00 WN511B RangeMax Next 270 Mbps Wireless PC Card
7c00 WN511T RangeMax Next 300 Mbps Wireless PC Card
7d00 WN311B RangeMax Next 270 Mbps Wireless PCI Adapter
7e00 WN311T RangeMax Next 300 Mbps Wireless PCI Adapter
f004 FA310TX
1386 Video Domain Technologies
1387 Systran Corp
1388 Hitachi Information Technology Co Ltd
1389 Applicom International
0001 PCI1500PFB [Intelligent fieldbus adaptor]

138a Fusion Micromedia Corp
 138b Tokimec Inc
 138c Silicon Reality
 138d Future Techno Designs pte Ltd
 138e Basler GmbH
 138f Patapsco Designs Inc
 1390 Concept Development Inc
 1391 Development Concepts Inc
 1392 Medialight Inc
 1393 Moxa Technologies Co Ltd
 1040 Smartio
 C104H/PCI
 1141 Industrio CP-114
 1680 Smartio C168H/PCI
 1681 CP-168U V2 Smart Serial Board (8-port RS-232)
 2040 Intellio CP-204J
 2180 Intellio C218 Turbo PCI
 3200 Intellio C320 Turbo PCI
 1394 Level One Communications
 0001 LXT1001 Gigabit Ethernet
 1394 0001 NetCelerator Adapter
 1395 Ambicom Inc
 1396 Cipher Systems Inc
 1397 Cologne Chip Designs GmbH
 08b4 ISDN network Controller [HFC-4S]
 1397 b520 HFC-4S [IOB4ST]
 1397 b540 HFC-4S [Swyx 4xS0 SX2 QuadBri]
 1397 b556 HFC-4S [Junghanns DuoDBRI]
 16b8 ISDN network Controller [HFC-8S]
 2bd0 ISDN network controller [HFC-PCI]
 0675 1704 ISDN Adapter (PCI Bus, D, C)
 0675 1708 ISDN Adapter (PCI Bus, D, C, ACPI)
 1397 2bd0 ISDN Board
 e4bf 1000 CI1-1-Harp
 30b1 ISDN network Controller [HFC-E1]
 b700 ISDN network controller PrimuX S0 [HFC-PCI]
 f001 GSM Network Controller [HFC-4GSM]
 1398 Clarion co. Ltd
 1399 Rios systems Co Ltd
 139a Alacritech Inc
 0001 Quad Port 10/100 Server Accelerator
 0003 Single
 Port 10/100 Server Accelerator
 0005 Single Port Gigabit Server Accelerator
 139b Mediasonic Multimedia Systems Ltd
 139c Quantum 3d Inc
 139d EPL limited
 139e Media4

139f Aethra s.r.l.
13a0 Crystal Group Inc
13a1 Kawasaki Heavy Industries Ltd
13a2 Ositech Communications Inc
13a3 Hifn Inc.
0005 7751 Security Processor
0006 6500 Public Key Processor
0007 7811 Security Processor
0012 7951 Security Processor
0014 78XX Security Processor
0016 8065 Security Processor
0017 8165 Security Processor
0018 8154 Security Processor
001d 7956 Security Processor
0020 7955 Security Processor
0026 8155 Security Processor
002e 9630 Compression Processor
13a4 Rascom Inc
13a5 Audio Digital Imaging Inc
13a6 Videonics Inc
13a7 Teles AG
13a8 Exar Corp.
0152 XR17C/D152 Dual PCI UART
0154 XR17C154 Quad UART
0158 XR17C158 Octal UART
13a9 Siemens Medical Systems, Ultrasound Group
13aa Broadband Networks Inc
13ab Arcom Control Systems Ltd
13ac Motion Media Technology
Ltd
13ad Nexus Inc
13ae ALD Technology Ltd
13af T.Square
13b0 Maxspeed Corp
13b1 Tamura corporation
13b2 Techno Chips Co. Ltd
13b3 Lanart Corporation
13b4 Wellbean Co Inc
13b5 ARM
13b6 Dlog GmbH
13b7 Logic Devices Inc
13b8 Nokia Telecommunications oy
13b9 Elecom Co Ltd
13ba Oxford Instruments
13bb Sanyo Technosound Co Ltd
13bc Bitran Corporation
13bd Sharp corporation
13be Miroku Jyoho Service Co. Ltd

13bf Sharewave Inc
13c0 Microgate Corporation
0010 SyncLink Adapter v1
0020 SyncLink SCC Adapter
0030 SyncLink Multiport Adapter
0210 SyncLink Adapter v2
13c1 3ware Inc
1000 5xxx/6xxx-series PATA-RAID
1001 7xxx/8xxx-series PATA/SATA-RAID
13c1 1001 7xxx/8xxx-series PATA/SATA-RAID
1002 9xxx-series SATA-RAID
1003 9550SX SATA-RAID
1004 9650SE SATA-II RAID
13c2 Technotrend Systemtechnik GmbH
000e Technotrend/Hauppauge DVB card rev2.3
13c3 Janz Computer AG
13c4 Phase Metrics
13c5 Alphi Technology Corp
13c6 Condor Engineering Inc
0520 CEI-520 A429
Card
0620 CEI-620 A429 Card
0820 CEI-820 A429 Card
13c7 Blue Chip Technology Ltd
13c8 Apptech Inc
13c9 Eaton Corporation
13ca Iomega Corporation
13cb Yano Electric Co Ltd
13cc Metheus Corporation
13cd Compatible Systems Corporation
13ce Cocom A/S
13cf Studio Audio & Video Ltd
13d0 Techsan Electronics Co Ltd
2103 B2C2 FlexCopII DVB chip / Technisat SkyStar2 DVB card
2200 B2C2 FlexCopIII DVB chip / Technisat SkyStar2 DVB card
13d1 Abocom Systems Inc
ab02 ADMtek Centaur-C rev 17 [D-Link DFE-680TX] CardBus Fast Ethernet Adapter
ab03 21x4x DEC-Tulip compatible 10/100 Ethernet
ab06 RTL8139 [FE2000VX] CardBus Fast Ethernet Attached Port Adapter
ab08 21x4x DEC-Tulip compatible 10/100 Ethernet
13d2 Shark Multimedia Inc
13d3 IMC Networks
3219 DTV-DVB 7049A DVB-T USB Stick
13d4 Graphics Microsystems Inc
13d5 Media 100 Inc
13d6 K.I. Technology Co Ltd
13d7 Toshiba Engineering Corporation
13d8 Phobos corporation

13d9 Apex PC Solutions Inc
 13da Intresource Systems
 pte Ltd
 13db Janich & Klass Computertechnik GmbH
 13dc Netboost Corporation
 13dd Multimedia Bundle Inc
 13de ABB Robotics Products AB
 13df E-Tech Inc
 0001 PCI56RVP Modem
 13df 0001 PCI56RVP Modem
 13e0 GVC Corporation
 13e1 Silicom Multimedia Systems Inc
 13e2 Dynamics Research Corporation
 13e3 Nest Inc
 13e4 Calculex Inc
 13e5 Telesoft Design Ltd
 13e6 Argosy research Inc
 13e7 NAC Incorporated
 13e8 Chip Express Corporation
 13e9 Intraserer Technology Inc
 13ea Dallas Semiconductor
 13eb Hauppauge Computer Works Inc
 13ec Zydacron Inc
 000a NPC-RC01 Remote control receiver
 13ed Raytheon E-Systems
 13ee Hayes Microcomputer Products Inc
 13ef Coppercom Inc
 13f0 Sundance Technology Inc / IC Plus Corp
 0200 IC Plus IP100A Integrated 10/100 Ethernet MAC + PHY
 0201 ST201 Sundance Ethernet
 1023 IP1000 Family Gigabit Ethernet
 13f1 Oce' - Technologies B.V.
 13f2 Ford Microelectronics Inc
 13f3 Mcdia Corporation
 13f4 Troika Networks, Inc.
 1401 Zentai Fibre Channel
 Adapter
 13f5 Kansai Electric Co. Ltd
 13f6 C-Media Electronics Inc
 0011 CMI8738
 0100 CM8338A
 13f6 ffff CMI8338/C3DX PCI Audio Device
 0101 CM8338B
 13f6 0101 CMI8338-031 PCI Audio Device
 0111 CM8738
 1019 0970 P6STP-FL motherboard
 1043 8035 CUSI-FX motherboard
 1043 8077 CMI8738 6-channel audio controller

1043 80e2 CMI8738 6ch-MX
 13f6 0111 CMI8738/C3DX PCI Audio Device
 1681 a000 Gamesurround MUSE XL
 0211 CM8738
 9880 CM9880
 13f7 Wildfire Communications
 13f8 Ad Lib Multimedia Inc
 13f9 NTT Advanced Technology Corp.
 13fa Pentland Systems Ltd
 13fb Aydin Corp
 13fc Computer Peripherals International
 13fd Micro Science Inc
 13fe Advantech Co. Ltd
 1240 PCI-1240 4-channel stepper motor controller card
 1600 PCI-16xx series PCI multiport serial board (function 0)
 # This board has two PCI functions, appears as two PCI devices
 1601 0002 PCI-1601 2-port unisolated RS-422/485
 # This board has two PCI functions, appears as two PCI devices
 1602 0002 PCI-1602
 2-port isolated RS-422/485
 1612 0004 PCI-1612 4-port RS-232/422/485
 16ff PCI-16xx series PCI multiport serial board (function 1: RX/TX steering CPLD)
 1601 0000 PCI-1601 2-port unisolated RS-422/485 PCI communications card
 1602 0000 PCI-1602 2-port isolated RS-422/485
 1612 0000 PCI-1612 4-port RS-232/422/485
 1733 PCI-1733 32-channel isolated digital input card
 1752 PCI-1752
 1754 PCI-1754
 1756 PCI-1756
 13ff Silicon Spice Inc
 1400 Artx Inc
 1401 9432 TX
 1401 CR-Systems A/S
 1402 Meilhaus Electronic GmbH
 1403 Ascor Inc
 1404 Fundamental Software Inc
 1405 Excalibur Systems Inc
 1406 Oce' Printing Systems GmbH
 1407 Lava Computer mfg Inc
 0100 Lava Dual Serial
 0101 Lava Quattro A
 0102 Lava Quattro B
 0110 Lava DSerial-PCI Port A
 0111 Lava DSerial-PCI Port B
 0120 Quattro-PCI A
 0121 Quattro-PCI B
 0180 Lava Octo A
 0181 Lava Octo B

0200 Lava Port Plus
 0201 Lava Quad A
 0202 Lava Quad B
 0220 Lava Quattro PCI Ports A/B
 0221 Lava Quattro PCI Ports
 C/D
 0500 Lava Single Serial
 0600 Lava Port 650
 8000 Lava Parallel
 8001 Dual parallel port controller A
 8002 Lava Dual Parallel port A
 8003 Lava Dual Parallel port B
 8800 BOCA Research IOPPAR
 1408 Aloka Co. Ltd
 1409 Timedia Technology Co Ltd
 7168 PCI2S550 (Dual 16550 UART)
 140a DSP Research Inc
 140b Ramix Inc
 140c Elmic Systems Inc
 140d Matsushita Electric Works Ltd
 140e Goepel Electronic GmbH
 140f Salient Systems Corp
 1410 Midas lab Inc
 1411 Ikos Systems Inc
 # Nee IC Ensemble Inc.
 1412 VIA Technologies Inc.
 1712 ICE1712 [Envy24] PCI Multi-Channel I/O Controller
 1412 1712 Hoontech ST Audio DSP 24
 1412 d630 M-Audio Delta 1010
 1412 d631 M-Audio Delta DiO
 1412 d632 M-Audio Delta 66
 1412 d633 M-Audio Delta 44
 1412 d634 M-Audio Delta Audiophile
 1412 d635 M-Audio Delta TDIF
 1412 d637 M-Audio Delta RBUS
 1412 d638 M-Audio Delta 410
 1412 d63b M-Audio Delta 1010LT
 1412 d63c Digigram VX442
 1416 1712 Hoontech ST Audio DSP 24 Media
 7.1
 153b 1115 EWS88 MT
 153b 1125 EWS88 MT (Master)
 153b 112b EWS88 D
 153b 112c EWS88 D (Master)
 153b 1130 EWX 24/96
 153b 1138 DMX 6fire 24/96
 153b 1151 PHASE88
 16ce 1040 Edirol DA-2496

1724 VT1720/24 [Envvy24PT/HT] PCI Multi-Channel Audio Controller
 1412 1724 Albatron PX865PE 7.1
 1412 3630 M-Audio Revolution 7.1
 1412 3631 M-Audio Revolution 5.1
 153b 1145 Aureon 7.1 Space
 153b 1147 Aureon 5.1 Sky
 153b 1153 Aureon 7.1 Universe
 270f f641 ZNF3-150
 270f f645 ZNF3-250
 1413 Addonics
 1414 Microsoft Corporation
 1415 Oxford Semiconductor Ltd
 8403 VScom 011H-EP1 1 port parallel adaptor
 9500 OX16PCI954 (Quad 16950 UART) function 0 (Disabled)
 9501 OX16PCI954 (Quad 16950 UART) function 0 (Uart)
 12c4 0201 Titan/cPCI (2 port)
 12c4 0202 Titan/cPCI (4 port)
 12c4 0203 Titan/cPCI (8 port)
 12c4 0210 Titan/104-Plus (8 port, p1-4)
 131f 2050 CyberPro (4-port)
 # Model IO1085, Part No: JJ-P46012
 131f 2051 CyberSerial 4S Plus
 15ed 2000
 MCCR Serial p0-3 of 8
 15ed 2001 MCCR Serial p0-3 of 16
 950a EXSYS EX-41092 Dual 16950 Serial adapter
 950b OXCB950 Cardbus 16950 UART
 9510 OX16PCI954 (Quad 16950 UART) function 1 (Disabled)
 12c4 0200 Titan/cPCI (Unused)
 9511 OX16PCI954 (Quad 16950 UART) function 1 (8bit bus)
 12c4 0211 Titan/104-Plus (8 port, p5-8)
 15ed 2000 MCCR Serial p4-7 of 8
 15ed 2001 MCCR Serial p4-15 of 16
 9512 OX16PCI954 (Quad 16950 UART) function 1 (32bit bus)
 9513 OX16PCI954 (Quad 16950 UART) function 1 (parallel port)
 9521 OX16PCI952 (Dual 16950 UART)
 9523 OX16PCI952 Integrated Parallel Port
 1416 Multiwave Innovation pte Ltd
 1417 Convergenet Technologies Inc
 1418 Kyushu electronics systems Inc
 1419 Excel Switching Corp
 141a Apache Micro Peripherals Inc
 141b Zoom Telephonics Inc
 141d Digitan Systems Inc
 141e Fanuc Ltd
 141f Visiontech Ltd
 1420 Psion Dacom plc
 8002 Gold Card NetGlobal 56k+10/100Mb CardBus (Ethernet part)

8003 Gold Card NetGlobal 56k+10/100Mb CardBus
 (Modem part)
 1421 Ads Technologies Inc
 1422 Ygrec Systems Co Ltd
 1423 Custom Technology Corp.
 1424 Videoserver Connections
 1425 Chelsio Communications Inc
 000b T210 Protocol Engine
 000c T204 Protocol Engine
 1426 Storage Technology Corp.
 1427 Better On-Line Solutions
 1428 Edec Co Ltd
 1429 Unex Technology Corp.
 142a Kingmax Technology Inc
 142b Radiolan
 142c Minton Optic Industry Co Ltd
 142d Pix stream Inc
 142e Vitec Multimedia
 4020 VM2-2 [Video Maker 2] MPEG1/2 Encoder
 4337 VM2-2-C7 [Video Maker 2 rev. C7] MPEG1/2 Encoder
 142f Radicom Research Inc
 1430 ITT Aerospace/Communications Division
 1431 Gilat Satellite Networks
 1432 Edimax Computer Co.
 9130 RTL81xx Fast Ethernet
 1433 Eltec Elektronik GmbH
 # Nee Real Time Devices US Inc.
 1435 RTD Embedded Technologies, Inc.
 4520 PCI4520
 6020 SPM6020
 6030 SPM6030
 6420 SPM186420
 6430 SPM176430
 7520 DM7520
 7820 DM7820
 1436 CIS Technology Inc
 1437 Nissin Inc Co
 1438 Atmel-dream
 1439 Outsource Engineering
 & Mfg. Inc
 143a Stargate Solutions Inc
 143b Canon Research Center, America
 143c Amlogic Inc
 143d Tamarack Microelectronics Inc
 143e Jones Futurex Inc
 143f Lightwell Co Ltd - Zax Division
 1440 ALGOL Corp.
 1441 AGIE Ltd

1442 Phoenix Contact GmbH & Co.
1443 Unibrain S.A.
1444 TRW
1445 Logical DO Ltd
1446 Graphin Co Ltd
1447 AIM GmbH
1448 Alesis Studio Electronics
1449 TUT Systems Inc
144a Adlink Technology
7296 PCI-7296
7432 PCI-7432
7433 PCI-7433
7434 PCI-7434
7841 PCI-7841
8133 PCI-8133
8164 PCI-8164
8554 PCI-8554
9111 PCI-9111
9113 PCI-9113
9114 PCI-9114
144b Loronix Information Systems Inc
144c Catalina Research Inc
144d Samsung Electronics Co Ltd
c00c P35 laptop
144e OLITEC
144f Askey Computer Corp.
1450 Octave Communications Ind.
1451 SP3D Chip Design GmbH
1453 MYCOM Inc
1454 Altiga Networks
1455 Logic Plus Plus Inc
1456 Advanced Hardware Architectures
1457 Nuera Communications Inc
1458 Giga-byte Technology
0c11 K8NS Pro Mainboard
9001
GC-PTV-TAF Hybrid TV card
e911 GN-WIAG02
1459 DOOIN Electronics
145a Escalate Networks Inc
145b PRAIM SRL
145c Cryptek
145d Gallant Computer Inc
145e Aashima Technology B.V.
145f Baldor Electric Company
0001 NextMove PCI
1460 DYNARC INC
1461 Avermedia Technologies Inc

a3ce M179
a3cf M179
a836 M115 DVB-T, PAL/SECAM/NTSC Tuner
f436 AVerTV Hybrid+FM
1462 Micro-Star International Co., Ltd.
5501 nVidia NV15DDR [GeForce2 Ti]
6819 Broadcom Corporation BCM4306 802.11b/g Wireless LAN Controller [MSI CB54G]
6825 PCI Card wireless 11g [PC54G]
6834 RaLink RT2500 802.11g [PC54G2]
7125 K8N motherboard
7235 P965 Neo MS-7235 mainboard
7242 K9AGM RS485 Motherboard
8725 NVIDIA NV25 [GeForce4 Ti 4600] VGA Adapter
9000 NVIDIA NV28 [GeForce4 Ti 4800] VGA Adapter
9110 GeForce FX5200
9119 NVIDIA NV31 [GeForce FX 5600XT] VGA Adapter
9123 NVIDIA NV31 [GeForce FX 5600] FX5600-VTDR128 [MS-8912]
9510 Radeon 9600XT
9511 Radeon 9600XT
9591 nVidia Corporation
NV36 [GeForce FX 5700LE]
b834 Wireless 11g Turbo G PCI card [MSI PC60G]
1463 Fast Corporation
1464 Interactive Circuits & Systems Ltd
1465 GN NETTEST Telecom DIV.
1466 Designpro Inc.
1467 DIGICOM SPA
1468 AMBIT Microsystem Corp.
1469 Cleveland Motion Controls
146a IFR
146b Parascan Technologies Ltd
146c Ruby Tech Corp.
1430 FE-1430TX Fast Ethernet PCI Adapter
146d Tachyon, INC.
146e Williams Electronics Games, Inc.
146f Multi Dimensional Consulting Inc
1470 Bay Networks
1471 Integrated Telecom Express Inc
1472 DAIKIN Industries, Ltd
1473 ZAPEX Technologies Inc
1474 Doug Carson & Associates
1475 PICAZO Communications
1476 MORTARA Instrument Inc
1477 Net Insight
1478 DIATREND Corporation
1479 TORAY Industries Inc
147a FORMOSA Industrial Computing
147b ABIT Computer Corp.

147c AWARE, Inc.
 147d Interworks Computer Products
 147e Matsushita Graphic Communication Systems, Inc.
 147f NIHON UNISYS, Ltd.
 1480 SCII Telecom
 1481 BIOPAC Systems Inc
 1482 ISYTEC
 - Integrierte Systemtechnik GmbH
 1483 LABWAY Corporation
 1484 Logic Corporation
 1485 ERMA - Electronic GmbH
 1486 L3 Communications Telemetry & Instrumentation
 1487 MARQUETTE Medical Systems
 1488 KONTRON Elektronik GmbH
 1489 KYE Systems Corporation
 148a OPTO
 148b INNOMEDIALOGIC Inc.
 148c C.P. Technology Co. Ltd
 148d DIGICOM Systems, Inc.
 1003 HCF 56k Data/Fax Modem
 148e OSI Plus Corporation
 148f Plant Equipment, Inc.
 1490 Stone Microsystems PTY Ltd.
 1491 ZEAL Corporation
 1492 Time Logic Corporation
 1493 MAKER Communications
 1494 WINTOP Technology, Inc.
 1495 TOKAI Communications Industry Co. Ltd
 1496 JOYTECH Computer Co., Ltd.
 1497 SMA Regelsysteme GmbH
 1497 SMA Technologie AG
 1498 TEWS Datentechnik GmbH
 0330 TPMC816 2 Channel CAN bus controller.
 0385 TPMC901 Extended CAN bus with 2/4/6 CAN controller
 21cc TCP460 CompactPCI 16 Channel Serial Interface RS232/RS422
 21cd TCP461 CompactPCI 8 Channel Serial Interface RS232/RS422
 30c8 TPCI200
 1499 EMTEC
 CO., Ltd
 149a ANDOR Technology Ltd
 149b SEIKO Instruments Inc
 149c OVISLINK Corp.
 149d NEWTEK Inc
 0001 Video Toaster for PC
 149e Mapletree Networks Inc.
 149f ELECTRON Co Ltd
 14a0 SOFTING GmbH
 14a1 Systembase Co Ltd

14a2 Millennium Engineering Inc
14a3 Maverick Networks
14a4 GVC/BCM Advanced Research
14a5 XIONICS Document Technologies Inc
14a6 INOVA Computers GmbH & Co KG
14a7 MYTHOS Systems Inc
14a8 FEATRON Technologies Corporation
14a9 HIVERTEC Inc
14aa Advanced MOS Technology Inc
14ab Mentor Graphics Corp.
14ac Novaweb Technologies Inc
14ad Time Space Radio AB
14ae CTI, Inc
14af Guillemot Corporation
7102 3D Prophet II MX
14b0 BST Communication Technology Ltd
14b1 Nextcom K.K.
14b2 ENNOVATE Networks Inc
14b3 XPEED Inc
0000 DSL NIC
14b4 PHILIPS Business Electronics B.V.
14b5 Creamware GmbH
0200 Scope
0300 Pulsar
0400 PulsarSRB
0600 Pulsar2
0800 DSP-Board
0900 DSP-Board
0a00 DSP-Board
0b00 DSP-Board
14b6 Quantum Data Corp.
14b7 PROXIM
Inc
0001 Symphony 4110
14b8 Techsoft Technology Co Ltd
14b9 AIRONET Wireless Communications
0001 PC4800
0340 PC4800
0350 PC4800
4500 PC4500
4800 Cisco Aironet 340 802.11b Wireless LAN Adapter/Aironet PC4800
a504 Cisco Aironet Wireless 802.11b
a505 Cisco Aironet CB20a 802.11a Wireless LAN Adapter
a506 Cisco Aironet Mini PCI b/g
14ba INTERNIX Inc.
14bb SEMTECH Corporation
14bc Globespan Semiconductor Inc.
d002 Pulsar [PCI ADSL Card]

d00f Pulsar [PCI ADSL Card]
14bd CARDIO Control N.V.
14be L3 Communications
14bf SPIDER Communications Inc.
14c0 COMPAL Electronics Inc
14c1 MYRICOM Inc.
0008 Myri-10G Dual-Protocol NIC (10G-PCIE-8A)
8043 Myrinet 2000 Scalable Cluster Interconnect
103c 1240 Myrinet M2L-PCI64/2-3.0 LANai 7.4 (HP OEM)
14c2 DTK Computer
14c3 MEDIATEK Corp.
14c4 IWASAKI Information Systems Co Ltd
14c5 Automation Products AB
14c6 Data Race Inc
14c7 Modular Technology Holdings Ltd
14c8 Turbocomm Tech. Inc.
14c9 ODIN Telesystems Inc
14ca
PE Logic Corp.
14cb Billinton Systems Inc
14cc NAKAYO Telecommunications Inc
14cd Universal Scientific Ind.
14ce Whistle Communications
14cf TEK Microsystems Inc.
14d0 Ericsson Axe R & D
14d1 Computer Hi-Tech Co Ltd
14d2 Titan Electronics Inc
8001 VScom 010L 1 port parallel adaptor
8002 VScom 020L 2 port parallel adaptor
8010 VScom 100L 1 port serial adaptor
8011 VScom 110L 1 port serial and 1 port parallel adaptor
8020 VScom 200L 1 port serial adaptor
8021 VScom 210L 2 port serial and 1 port parallel adaptor
8040 VScom 400L 4 port serial adaptor
8080 VScom 800L 8 port serial adaptor
a000 VScom 010H 1 port parallel adaptor
a001 VScom 100H 1 port serial adaptor
a003 VScom 400H 4 port serial adaptor
a004 VScom 400HF1 4 port serial adaptor
a005 VScom 200H 2 port serial adaptor
e001 VScom 010HV2 1 port parallel adaptor
e010 VScom 100HV2 1 port serial adaptor
e020 VScom 200HV2 2 port serial adaptor
14d3 CIRTECH (UK) Ltd
14d4 Panacom Technology
Corp
14d5 Nitsuko Corporation
14d6 Accusys Inc

14d7 Hirakawa Hewtech Corp
 14d8 HOPF Elektronik GmbH
 # Formerly SiPackets, Inc., formerly API NetWorks, Inc., formerly Alpha Processor, Inc.
 14d9 Alliance Semiconductor Corporation
 0010 AP1011/SP1011 HyperTransport-PCI Bridge [Sturgeon]
 9000 AS90L10204/10208 HyperTransport to PCI-X Bridge
 14da National Aerospace Laboratories
 14db AFAVLAB Technology Inc
 2120 TK9902
 2182 AFAVLAB Technology Inc. 8-port serial card
 14dc Amplicon Liveline Ltd
 0000 PCI230
 0001 PCI242
 0002 PCI244
 0003 PCI247
 0004 PCI248
 0005 PCI249
 0006 PCI260
 0007 PCI224
 0008 PCI234
 0009 PCI236
 000a PCI272
 000b PCI215
 14dd Boulder Design Labs Inc
 14de Applied Integration Corporation
 14df ASIC Communications Corp
 14e1 INVERTEX
 14e2 INFOLIBRIA
 14e3 AMTELCO
 14e4 Broadcom Corporation
 0800 Sentry5 Chipcommon I/O Controller
 0804 Sentry5 PCI Bridge
 0805 Sentry5 MIPS32 CPU
 0806 Sentry5 Ethernet Controller
 080b Sentry5 Crypto Accelerator
 080f
 Sentry5 DDR/SDR RAM Controller
 0811 Sentry5 External Interface Core
 0816 BCM3302 Sentry5 MIPS32 CPU
 1600 NetXtreme BCM5752 Gigabit Ethernet PCI Express
 103c 3015 PCIe LAN on Motherboard
 107b 5048 E4500 Onboard
 1601 NetXtreme BCM5752M Gigabit Ethernet PCI Express
 1639 NetXtreme II BCM5709 Gigabit Ethernet
 163a NetXtreme II BCM5709S Gigabit Ethernet
 1644 NetXtreme BCM5700 Gigabit Ethernet
 1014 0277 Broadcom Vigil B5700 1000Base-T
 1028 00d1 Broadcom BCM5700

1028 0106 Broadcom BCM5700
 1028 0109 Broadcom BCM5700 1000Base-T
 1028 010a Broadcom BCM5700 1000BaseTX
 10b7 1000 3C996-T 1000Base-T
 10b7 1001 3C996B-T 1000Base-T
 10b7 1002 3C996C-T 1000Base-T
 10b7 1003 3C997-T 1000Base-T Dual Port
 10b7 1004 3C996-SX 1000Base-SX
 10b7 1005 3C997-SX 1000Base-SX Dual Port
 10b7 1008 3C942 Gigabit LOM (31X31)
 14e4 0002 NetXtreme 1000Base-SX
 14e4 0003 NetXtreme 1000Base-SX
 14e4 0004 NetXtreme 1000Base-T
 14e4 1028 NetXtreme 1000BaseTX
 14e4
 1644 BCM5700 1000Base-T
 1645 NetXtreme BCM5701 Gigabit Ethernet
 0e11 007c NC7770 Gigabit Server Adapter (PCI-X, 10/100/1000-T)
 0e11 007d NC6770 Gigabit Server Adapter (PCI-X, 1000-SX)
 0e11 0085 NC7780 Gigabit Server Adapter (embedded, WOL)
 0e11 0099 NC7780 Gigabit Server Adapter (embedded, WOL)
 0e11 009a NC7770 Gigabit Server Adapter (PCI-X, 10/100/1000-T)
 0e11 00c1 NC6770 Gigabit Server Adapter (PCI-X, 1000-SX)
 1028 0121 Broadcom BCM5701 1000Base-T
 103c 128a 1000Base-T (PCI) [A7061A]
 103c 128b 1000Base-SX (PCI) [A7073A]
 103c 12a4 Core Lan 1000Base-T
 103c 12c1 IOX Core Lan 1000Base-T [A7109AX]
 103c 1300 Core LAN/SCSI Combo [A6794A]
 10a9 8010 IO9/IO10 Gigabit Ethernet (Copper)
 10a9 8011 Gigabit Ethernet (Copper)
 10a9 8012 Gigabit Ethernet (Fiber)
 10b7 1004 3C996-SX 1000Base-SX
 10b7 1006 3C996B-T 1000Base-T
 10b7 1007 3C1000-T 1000Base-T
 10b7 1008 3C940-BR01 1000Base-T
 14e4 0001 BCM5701 1000Base-T
 14e4 0005 BCM5701
 1000Base-T
 14e4 0006 BCM5701 1000Base-T
 14e4 0007 BCM5701 1000Base-SX
 14e4 0008 BCM5701 1000Base-T
 14e4 8008 BCM5701 1000Base-T
 1646 NetXtreme BCM5702 Gigabit Ethernet
 0e11 00bb NC7760 1000BaseTX
 1028 0126 Broadcom BCM5702 1000BaseTX
 14e4 8009 BCM5702 1000BaseTX
 1647 NetXtreme BCM5703 Gigabit Ethernet

0e11 0099 NC7780 1000BaseTX
 0e11 009a NC7770 1000BaseTX
 10a9 8010 SGI IO9 Gigabit Ethernet (Copper)
 14e4 0009 BCM5703 1000BaseTX
 14e4 000a BCM5703 1000BaseSX
 14e4 000b BCM5703 1000BaseTX
 14e4 8009 BCM5703 1000BaseTX
 14e4 800a BCM5703 1000BaseTX
 1648 NetXtreme BCM5704 Gigabit Ethernet
 0e11 00cf NC7772 Gigabit Server Adapter (PCI-X, 10,100,1000-T)
 0e11 00d0 NC7782 Gigabit Server Adapter (PCI-X, 10,100,1000-T)
 0e11 00d1 NC7783 Gigabit Server Adapter (PCI-X, 10,100,1000-T)
 10a9 8013 Dual Port Gigabit Ethernet (PCI-X,Copper)
 10a9 8018 Dual Port Gigabit Ethernet (A330)
 10a9 801a Dual Port Gigabit Ethernet (IA-blade)
 10a9
 801b Quad Port Gigabit Ethernet (PCI-E,Copper)
 10b7 2000 3C998-T Dual Port 10/100/1000 PCI-X
 10b7 3000 3C999-T Quad Port 10/100/1000 PCI-X
 1166 1648 NetXtreme CIOB-E 1000Base-T
 1734 100b Primergy RX300
 164a NetXtreme II BCM5706 Gigabit Ethernet
 103c 3070 NC380T PCI Express Dual Port Multifunction Gigabit Server Adapter
 103c 3101 NC370T Multifunction Gigabit Server Adapter
 164c NetXtreme II BCM5708 Gigabit Ethernet
 103c 7037 NC373T PCI Express Multifunction Gigabit Server Adapter
 103c 7038 NC373i Integrated Multifunction Gigabit Server Adapter
 164d NetXtreme BCM5702FE Gigabit Ethernet
 1653 NetXtreme BCM5705 Gigabit Ethernet
 0e11 00e3 NC7761 Gigabit Server Adapter
 1654 NetXtreme BCM5705_2 Gigabit Ethernet
 0e11 00e3 NC7761 Gigabit Server Adapter
 103c 3100 NC1020 ProLiant Gigabit Server Adapter 32 PCI
 103c 3226 NC150T 4-port Gigabit Combo Switch & Adapter
 1659 NetXtreme BCM5721 Gigabit Ethernet PCI Express
 1014 02c6 eServer xSeries server
 mainboard
 103c 7031 NC320T PCIe Gigabit Server Adapter
 103c 7032 NC320i PCIe Gigabit Server Adapter
 1734 1061 Primergy RX300 S2
 165a NetXtreme BCM5722 Gigabit Ethernet PCI Express
 103c 7051 NC105i PCIe Gigabit Server Adapter
 103c 7052 NC105T PCIe Gigabit Server Adapter
 165d NetXtreme BCM5705M Gigabit Ethernet
 1028 865d Latitude D400
 165e NetXtreme BCM5705M_2 Gigabit Ethernet
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop

103c 099c NX6110/NC6120
 10cf 1279 LifeBook E8010D
 1668 NetXtreme BCM5714 Gigabit Ethernet
 103c 7039 NC324i PCIe Dual Port Gigabit Server Adapter
 1669 NetXtreme 5714S Gigabit Ethernet
 166a NetXtreme BCM5780 Gigabit Ethernet
 166b NetXtreme BCM5780S Gigabit Ethernet
 166e 570x 10/100 Integrated Controller
 1672 NetXtreme BCM5754M Gigabit Ethernet PCI Express
 1673 NetXtreme BCM5755M Gigabit Ethernet PCI Express
 1674 NetXtreme BCM5756ME Gigabit Ethernet PCI Express
 1677 NetXtreme BCM5751 Gigabit Ethernet PCI Express
 1028
 0179 Optiplex GX280
 1028 0182 Latitude D610
 1028 0187 Precision M70
 1028 01ad Optiplex GX620
 103c 3006 DC7100 SFF(DX878AV)
 1734 105d Scenic W620
 1678 NetXtreme BCM5715 Gigabit Ethernet
 1679 NetXtreme BCM5715S Gigabit Ethernet
 103c 1707 NC326m PCIe Dual Port Adapter
 103c 170c NC325m PCIe Quad Port Adapter
 103c 703c NC326i PCIe Dual Port Gigabit Server Adapter
 167a NetXtreme BCM5754 Gigabit Ethernet PCI Express
 167b NetXtreme BCM5755 Gigabit Ethernet PCI Express
 167d NetXtreme BCM5751M Gigabit Ethernet PCI Express
 17aa 2081 Thinkpad R60e model 0657
 167e NetXtreme BCM5751F Fast Ethernet PCI Express
 167f NetLink BCM5787F Fast Ethernet PCI Express
 1693 NetLink BCM5787M Gigabit Ethernet PCI Express
 1696 NetXtreme BCM5782 Gigabit Ethernet
 103c 12bc d530 CMT (DG746A)
 14e4 000d NetXtreme BCM5782 1000Base-T
 169a NetLink BCM5786 Gigabit Ethernet PCI Express
 169b NetLink BCM5787 Gigabit Ethernet PCI Express
 169c NetXtreme BCM5788
 Gigabit Ethernet
 103c 308b MX6125
 103c 30a1 NC2400
 169d NetLink BCM5789 Gigabit Ethernet PCI Express
 16a6 NetXtreme BCM5702X Gigabit Ethernet
 0e11 00bb NC7760 Gigabit Server Adapter (PCI-X, 10/100/1000-T)
 1028 0126 BCM5702 1000Base-T
 14e4 000c BCM5702 1000Base-T
 14e4 8009 BCM5702 1000Base-T
 16a7 NetXtreme BCM5703X Gigabit Ethernet
 0e11 00ca NC7771 Gigabit Server Adapter (PCI-X, 10,100,1000-T)

0e11 00cb NC7781 Gigabit Server Adapter (PCI-X, 10,100,1000-T)
 14e4 0009 NetXtreme BCM5703 1000Base-T
 14e4 000a NetXtreme BCM5703 1000Base-SX
 14e4 000b NetXtreme BCM5703 1000Base-T
 14e4 800a NetXtreme BCM5703 1000Base-T
 16a8 NetXtreme BCM5704S Gigabit Ethernet
 10a9 8014 Dual Port Gigabit Ethernet (PCI-X,Fiber)
 10a9 801c Quad Port Gigabit Ethernet (PCI-E,Fiber)
 10b7 2001 3C998-SX Dual Port 1000-SX PCI-X
 16aa NetXtreme II BCM5706S Gigabit Ethernet
 103c 3102 NC370F Multifunction Gigabit Server Adapter
 16ac NetXtreme II BCM5708S Gigabit Ethernet
 103c
 1706 NC373m Multifunction Gigabit Server Adapter
 103c 7038 NC373i PCI Express Multifunction Gigabit Server Adapter
 103c 703b NC373i Integrated Multifunction Gigabit Server Adapter
 103c 703d NC373F PCI Express Multifunction Gigabit Server Adapter
 16c6 NetXtreme BCM5702A3 Gigabit Ethernet
 10b7 1100 3C1000B-T 10/100/1000 PCI
 14e4 000c BCM5702 1000Base-T
 14e4 8009 BCM5702 1000Base-T
 16c7 NetXtreme BCM5703 Gigabit Ethernet
 0e11 00ca NC7771 Gigabit Server Adapter (PCI-X, 10,100,1000-T)
 0e11 00cb NC7781 Gigabit Server Adapter (PCI-X, 10,100,1000-T)
 103c 12c3 Combo FC/GigE-SX [A9782A]
 103c 12ca Combo FC/GigE-T [A9784A]
 14e4 0009 NetXtreme BCM5703 1000Base-T
 14e4 000a NetXtreme BCM5703 1000Base-SX
 16dd NetLink BCM5781 Gigabit Ethernet PCI Express
 16f7 NetXtreme BCM5753 Gigabit Ethernet PCI Express
 16fd NetXtreme BCM5753M Gigabit Ethernet PCI Express
 16fe NetXtreme BCM5753F Fast Ethernet PCI Express
 170c BCM4401-B0 100Base-TX
 1028 0188
 Inspiron 6000 laptop
 1028 0196 Inspiron 5160
 1028 01af Inspiron 6400
 103c 099c NX6110/NC6120
 170d NetXtreme BCM5901 100Base-TX
 1014 0545 ThinkPad R40e (2684-HVG) builtin ethernet controller
 170e NetXtreme BCM5901 100Base-TX
 1712 NetLink BCM5906 Fast Ethernet PCI Express
 1713 NetLink BCM5906M Fast Ethernet PCI Express
 3352 BCM3352
 3360 BCM3360
 4210 BCM4210 iLine10 HomePNA 2.0
 4211 BCM4211 iLine10 HomePNA 2.0 + V.90 56k modem
 4212 BCM4212 v.90 56k modem

4220 802-11b/g Wireless PCI controller, packaged as a Linksys WPC54G ver 1.2 PCMCIA card
 4301 BCM4303 802.11b Wireless LAN Controller
 1028 0407 TrueMobile 1180 Onboard WLAN
 1043 0120 WL-103b Wireless LAN PC Card
 4305 BCM4307 V.90 56k Modem
 4306 BCM4307 Ethernet Controller
 4307 BCM4307 802.11b Wireless LAN Controller
 4310 BCM4310 Chipcommon I/OController
 4311 BCM94311MCG wlan mini-PCI
 4312 BCM4312 802.11a/b/g
 4313 BCM4310 Ethernet Controller
 4315 BCM4310 USB Controller
 4318 BCM4318
 [AirForce One 54g] 802.11g Wireless LAN Controller
 103c 1356 MX6125
 1043 120f A6U notebook embedded card
 1468 0311 Aspire 3022WLMi, 5024WLMi, 5020
 1468 0312 TravelMate 2410
 14e4 0449 Gateway 7510GX
 14e4 4318 WPC54G version 3 [Wireless-G Notebook Adapter] 802.11g Wireless Lan Controller
 16ec 0119 U.S.Robotics Wireless MAXg PC Card
 1737 0042 WMP54GS version 1.1 [Wireless-G PCI Adapter] 802.11g w/SpeedBooster
 1737 0048 WPC54G-EU version 3 [Wireless-G Notebook Adapter]
 4319 BCM4311 [AirForce 54g] 802.11a/b/g PCI Express Transceiver
 4320 BCM4306 802.11b/g Wireless LAN Controller
 1028 0001 TrueMobile 1300 WLAN Mini-PCI Card
 1028 0003 Wireless 1350 WLAN Mini-PCI Card
 103c 12f4 NX9500 Built-in Wireless
 103c 12fa Presario R3000 802.11b/g
 1043 100f WL-100G
 1057 7025 WN825G
 106b 004e AirPort Extreme
 1154 0330 Buffalo WLI2-PCI-G54S High Speed Mode Wireless Desktop Adapter
 144f 7050 eMachines M6805 802.11g Built-in Wireless
 144f 7051
 Sonnet Aria Extreme PCI
 14e4 4320 Linksys WMP54G PCI
 1737 4320 WPC54G
 1799 7001 Belkin F5D7001 High-Speed Mode Wireless G Network Card
 1799 7010 Belkin F5D7010 54g Wireless Network card
 1799 7011 F5D7011 54g+ Wireless Network card
 185f 1220 TravelMate 290E WLAN Mini-PCI Card
 4321 BCM4306 802.11a Wireless LAN Controller
 4322 BCM4306 UART
 4324 BCM4309 802.11a/b/g
 1028 0001 Truemobile 1400
 1028 0003 Truemobile 1450 MiniPCI
 4325 BCM43xG 802.11b/g

1414 0003 Wireless Notebook Adapter MN-720
 1414 0004 Wireless PCI Adapter MN-730
 4326 BCM4307 Chipcommon I/O Controller?
 4329 BCM43XG
 4344 EDGE/GPRS data and 802.11b/g combo cardbus [GC89]
 4401 BCM4401 100Base-T
 103c 08b0 tc1100 tablet
 1043 80a8 A7V8X motherboard
 4402 BCM4402 Integrated 10/100BaseT
 4403 BCM4402 V.90 56k Modem
 4410 BCM4413 iLine32 HomePNA 2.0
 4411 BCM4413 V.90 56k modem
 4412 BCM4412 10/100BaseT
 4430 BCM44xx CardBus iLine32 HomePNA 2.0
 4432 BCM4432 CardBus 10/100BaseT
 4610
 BCM4610 Sentry5 PCI to SB Bridge
 4611 BCM4610 Sentry5 iLine32 HomePNA 1.0
 4612 BCM4610 Sentry5 V.90 56k Modem
 4613 BCM4610 Sentry5 Ethernet Controller
 4614 BCM4610 Sentry5 External Interface
 4615 BCM4610 Sentry5 USB Controller
 4704 BCM4704 PCI to SB Bridge
 4705 BCM4704 Sentry5 802.11b Wireless LAN Controller
 4706 BCM4704 Sentry5 Ethernet Controller
 4707 BCM4704 Sentry5 USB Controller
 4708 BCM4704 Crypto Accelerator
 4710 BCM4710 Sentry5 PCI to SB Bridge
 4711 BCM47xx Sentry5 iLine32 HomePNA 2.0
 4712 BCM47xx V.92 56k modem
 4713 Sentry5 Ethernet Controller
 4714 BCM47xx Sentry5 External Interface
 4715 Sentry5 USB Controller
 4716 BCM47xx Sentry5 USB Host Controller
 4717 BCM47xx Sentry5 USB Device Controller
 4718 Sentry5 Crypto Accelerator
 4719 BCM47xx/53xx RoboSwitch Core
 4720 BCM4712 MIPS CPU
 5365 BCM5365P Sentry5 Host Bridge
 5600 BCM5600 StrataSwitch 24+2 Ethernet Switch Controller
 5605 BCM5605 StrataSwitch 24+2 Ethernet Switch Controller
 5615
 BCM5615 StrataSwitch 24+2 Ethernet Switch Controller
 5625 BCM5625 StrataSwitch 24+2 Ethernet Switch Controller
 5645 BCM5645 StrataSwitch 24+2 Ethernet Switch Controller
 5670 BCM5670 8-Port 10GE Ethernet Switch Fabric
 5680 BCM5680 G-Switch 8 Port Gigabit Ethernet Switch Controller
 5690 BCM5690 12-port Multi-Layer Gigabit Ethernet Switch

5691 BCM5691 GE/10GE 8+2 Gigabit Ethernet Switch Controller
 5692 BCM5692 12-port Multi-Layer Gigabit Ethernet Switch
 5695 BCM5695 12-port + HiGig Multi-Layer Gigabit Ethernet Switch
 5698 BCM5698 12-port Multi-Layer Gigabit Ethernet Switch
 5820 BCM5820 Crypto Accelerator
 5821 BCM5821 Crypto Accelerator
 5822 BCM5822 Crypto Accelerator
 5823 BCM5823 Crypto Accelerator
 5824 BCM5824 Crypto Accelerator
 5840 BCM5840 Crypto Accelerator
 5841 BCM5841 Crypto Accelerator
 5850 BCM5850 Crypto Accelerator
 14e5 Pixelfusion Ltd
 14e6 SHINING Technology Inc
 14e7 3CX
 14e8 RAYCER Inc
 14e9 GARNETS System CO Ltd
 14ea Planex
 Communications, Inc
 ab06 FNW-3603-TX CardBus Fast Ethernet
 ab07 RTL81xx RealTek Ethernet
 ab08 FNW-3602-TX CardBus Fast Ethernet
 14eb SEIKO EPSON Corp
 14ec ACQIRIS
 14ed DATAKINETICS Ltd
 14ee MASPRO KENKOH Corp
 14ef CARRY Computer ENG. CO Ltd
 14f0 CANON RESEACH CENTRE FRANCE
 14f1 Conexant
 1002 HCF 56k Modem
 1003 HCF 56k Modem
 1004 HCF 56k Modem
 1005 HCF 56k Modem
 1006 HCF 56k Modem
 1022 HCF 56k Modem
 1023 HCF 56k Modem
 1024 HCF 56k Modem
 1025 HCF 56k Modem
 1026 HCF 56k Modem
 1032 HCF 56k Modem
 1033 HCF 56k Data/Fax Modem
 1033 8077 NEC
 122d 4027 Dell Zeus - MDP3880-W(B) Data Fax Modem
 122d 4030 Dell Mercury - MDP3880-U(B) Data Fax Modem
 122d 4034 Dell Thor - MDP3880-W(U) Data Fax Modem
 13e0 020d Dell Copper
 13e0 020e Dell Silver
 13e0 0261 IBM

13e0 0290 Compaq Goldwing
 13e0 02a0 IBM
 13e0 02b0 IBM
 13e0 02c0 Compaq Scooter
 13e0 02d0 IBM
 144f 1500 IBM P85-DF (1)
 144f 1501 IBM P85-DF (2)
 144f 150a IBM P85-DF (3)
 144f
 150b IBM P85-DF Low Profile (1)
 144f 1510 IBM P85-DF Low Profile (2)
 1034 HCF 56k Data/Fax/Voice Modem
 1035 HCF 56k Data/Fax/Voice/Spkp (w/Handset) Modem
 10cf 1098 Fujitsu P85-DFSV
 1036 HCF 56k Data/Fax/Voice/Spkp Modem
 104d 8067 HCF 56k Modem
 122d 4029 MDP3880SP-W
 122d 4031 MDP3880SP-U
 13e0 0209 Dell Titanium
 13e0 020a Dell Graphite
 13e0 0260 Gateway Red Owl
 13e0 0270 Gateway White Horse
 1052 HCF 56k Data/Fax Modem (Worldwide)
 1053 HCF 56k Data/Fax Modem (Worldwide)
 1054 HCF 56k Data/Fax/Voice Modem (Worldwide)
 1055 HCF 56k Data/Fax/Voice/Spkp (w/Handset) Modem (Worldwide)
 1056 HCF 56k Data/Fax/Voice/Spkp Modem (Worldwide)
 1057 HCF 56k Data/Fax/Voice/Spkp Modem (Worldwide)
 1059 HCF 56k Data/Fax/Voice Modem (Worldwide)
 1063 HCF 56k Data/Fax Modem
 1064 HCF 56k Data/Fax/Voice Modem
 1065 HCF 56k Data/Fax/Voice/Spkp (w/Handset) Modem
 1066 HCF 56k Data/Fax/Voice/Spkp Modem
 122d 4033 Dell Athena - MDP3900V-U
 1085 HCF V90 56k
 Data/Fax/Voice/Spkp PCI Modem
 10b6 CX06834-11 HCF V.92 56k Data/Fax/Voice/Spkp Modem
 1433 HCF 56k Data/Fax Modem
 1434 HCF 56k Data/Fax/Voice Modem
 1435 HCF 56k Data/Fax/Voice/Spkp (w/Handset) Modem
 1436 HCF 56k Data/Fax Modem
 1453 HCF 56k Data/Fax Modem
 13e0 0240 IBM
 13e0 0250 IBM
 144f 1502 IBM P95-DF (1)
 144f 1503 IBM P95-DF (2)
 1454 HCF 56k Data/Fax/Voice Modem
 1455 HCF 56k Data/Fax/Voice/Spkp (w/Handset) Modem

1456 HCF 56k Data/Fax/Voice/Spkp Modem
 122d 4035 Dell Europa - MDP3900V-W
 122d 4302 Dell MP3930V-W(C) MiniPCI
 1610 ADSL AccessRunner PCI Arbitration Device
 1611 AccessRunner PCI ADSL Interface Device
 1620 AccessRunner V2 PCI ADSL Arbitration Device
 1621 AccessRunner V2 PCI ADSL Interface Device
 1622 AccessRunner V2 PCI ADSL Yukon WAN Adapter
 1803 HCF 56k Modem
 0e11 0023 623-LAN Grizzly
 0e11 0043 623-LAN Yogi
 1811 Conexant MiniPCI Network Adapter
 1815 HCF 56k Modem
 0e11 0022 Grizzly
 0e11 0042 Yogi
 2003 HSF 56k
 Data/Fax Modem
 2004 HSF 56k Data/Fax/Voice Modem
 2005 HSF 56k Data/Fax/Voice/Spkp (w/Handset) Modem
 2006 HSF 56k Data/Fax/Voice/Spkp Modem
 2013 HSF 56k Data/Fax Modem
 0e11 b195 Bear
 0e11 b196 Seminole 1
 0e11 b1be Seminole 2
 1025 8013 Acer
 1033 809d NEC
 1033 80bc NEC
 155d 6793 HP
 155d 8850 E Machines
 2014 HSF 56k Data/Fax/Voice Modem
 2015 HSF 56k Data/Fax/Voice/Spkp (w/Handset) Modem
 2016 HSF 56k Data/Fax/Voice/Spkp Modem
 2043 HSF 56k Data/Fax Modem (WorldW SmartDAA)
 2044 HSF 56k Data/Fax/Voice Modem (WorldW SmartDAA)
 2045 HSF 56k Data/Fax/Voice/Spkp (w/Handset) Modem (WorldW SmartDAA)
 14f1 2045 Generic SoftK56
 2046 HSF 56k Data/Fax/Voice/Spkp Modem (WorldW SmartDAA)
 2063 HSF 56k Data/Fax Modem (SmartDAA)
 2064 HSF 56k Data/Fax/Voice Modem (SmartDAA)
 2065 HSF 56k Data/Fax/Voice/Spkp (w/Handset) Modem (SmartDAA)
 2066 HSF 56k Data/Fax/Voice/Spkp Modem (SmartDAA)
 2093 HSF 56k Modem
 155d 2f07 Legend
 2143 HSF 56k Data/Fax/Cell Modem
 (Mob WorldW SmartDAA)
 2144 HSF 56k Data/Fax/Voice/Cell Modem (Mob WorldW SmartDAA)
 2145 HSF 56k Data/Fax/Voice/Spkp (w/HS)/Cell Modem (Mob WorldW SmartDAA)
 2146 HSF 56k Data/Fax/Voice/Spkp/Cell Modem (Mob WorldW SmartDAA)

2163 HSF 56k Data/Fax/Cell Modem (Mob SmartDAA)
 2164 HSF 56k Data/Fax/Voice/Cell Modem (Mob SmartDAA)
 2165 HSF 56k Data/Fax/Voice/Spkp (w/HS)/Cell Modem (Mob SmartDAA)
 2166 HSF 56k Data/Fax/Voice/Spkp/Cell Modem (Mob SmartDAA)
 2343 HSF 56k Data/Fax CardBus Modem (Mob WorldW SmartDAA)
 2344 HSF 56k Data/Fax/Voice CardBus Modem (Mob WorldW SmartDAA)
 2345 HSF 56k Data/Fax/Voice/Spkp (w/HS) CardBus Modem (Mob WorldW SmartDAA)
 2346 HSF 56k Data/Fax/Voice/Spkp CardBus Modem (Mob WorldW SmartDAA)
 2363 HSF 56k Data/Fax CardBus Modem (Mob SmartDAA)
 2364 HSF 56k Data/Fax/Voice CardBus Modem (Mob SmartDAA)
 2365 HSF 56k Data/Fax/Voice/Spkp (w/HS) CardBus Modem (Mob SmartDAA)
 2366 HSF 56k Data/Fax/Voice/Spkp CardBus Modem (Mob SmartDAA)
 2443 HSF
 56k Data/Fax Modem (Mob WorldW SmartDAA)
 104d 8075 Modem
 104d 8083 Modem
 104d 8097 Modem
 2444 HSF 56k Data/Fax/Voice Modem (Mob WorldW SmartDAA)
 2445 HSF 56k Data/Fax/Voice/Spkp (w/HS) Modem (Mob WorldW SmartDAA)
 2446 HSF 56k Data/Fax/Voice/Spkp Modem (Mob WorldW SmartDAA)
 2463 HSF 56k Data/Fax Modem (Mob SmartDAA)
 2464 HSF 56k Data/Fax/Voice Modem (Mob SmartDAA)
 2465 HSF 56k Data/Fax/Voice/Spkp (w/HS) Modem (Mob SmartDAA)
 2466 HSF 56k Data/Fax/Voice/Spkp Modem (Mob SmartDAA)
 2bfa HDAudio Soft Data Fax Modem with SmartCP
 1025 0009 Aspire 5622WLMi
 2f00 HSF 56k HSF i Modem
 13e0 8d84 IBM HSF i V.90
 13e0 8d85 Compaq Stinger
 14f1 2004 Dynalink 56PMi
 2f02 HSF 56k HSF i Data/Fax
 2f11 HSF 56k HSF i Modem
 2f20 HSF 56k Data/Fax Modem
 2f30 HSF 56k Data/Fax Modem
 5045 HDAUDIO with SmartCP
 5047 High Definition Audio [Waikiki]
 8234 RS8234 ATM SAR Controller [ServiceSAR Plus]
 8800 CX23880/1/2/3 PCI Video and Audio Decoder
 0070 2801 Hauppauge WinTV
 28xxx (Roslyn) models
 0070 3401 Hauppauge WinTV 34xxx models
 0070 9001 Nova-T DVB-T
 0070 9200 Nova-SE2 DVB-S
 0070 9202 Nova-S-Plus DVB-S
 0070 9402 WinTV-HVR1100 DVB-T/Hybrid
 0070 9802 WinTV-HVR1100 DVB-T/Hybrid (Low Profile)
 1002 00f8 ATI TV Wonder Pro
 1002 a101 HDTV Wonder

1043 4823 ASUS PVR-416
 107d 6613 Leadtek Winfast 2000XP Expert
 107d 6620 Leadtek Winfast DV2000
 107d 663c Leadtek PVR 2000
 107d 665f WinFast DTV1000-T
 10fc d003 IODATA GV-VCP3/PCI
 10fc d035 IODATA GV/BCTV7E
 1421 0334 Instant TV DVB-T PCI
 1461 000a AVerTV 303 (M126)
 1461 000b AVerTV Studio 303 (M126)
 1461 8011 UltraTV Media Center PCI 550
 1462 8606 MSI TV-@nywhere Master
 14c7 0107 GDI Black Gold
 14f1 0187 Conexant DVB-T reference design
 14f1 0342 Digital-Logic MICROSPACE Entertainment Center (MEC)
 153b 1166 Cinergy 1400 DVB-T
 1540 2580 Provideo PV259
 1554 4811 PixelView
 1554 4813 Club 3D ZAP1000 MCE Edition
 17de 08a1 KWorld/VStream
 XPert DVB-T with cx22702
 17de 08a6 KWorld/VStream XPert DVB-T
 17de 08b2 KWorld DVB-S 100
 17de a8a6 digitalnow DNTV Live! DVB-T
 1822 0025 digitalnow DNTV Live! DVB-T Pro
 18ac d500 FusionHDTV 5 Gold
 18ac d810 FusionHDTV 3 Gold-Q
 18ac d820 FusionHDTV 3 Gold-T
 18ac db00 FusionHDTV DVB-T1
 18ac db11 FusionHDTV DVB-T Plus
 18ac db50 FusionHDTV DVB-T Dual Digital
 7063 3000 pcHDTV HD3000 HDTV
 8801 CX23880/1/2/3 PCI Video and Audio Decoder [Audio Port]
 0070 2801 Hauppauge WinTV 28xxx (Roslyn) models
 8802 CX23880/1/2/3 PCI Video and Audio Decoder [MPEG Port]
 0070 2801 Hauppauge WinTV 28xxx (Roslyn) models
 0070 9002 Nova-T DVB-T Model 909
 1043 4823 ASUS PVR-416
 107d 663c Leadtek PVR 2000
 107d 665f WinFast DTV1000-T
 14f1 0187 Conexant DVB-T reference design
 17de 08a1 XPert DVB-T PCI BDA DVBT 23880 Transport Stream Capture
 17de 08a6 KWorld/VStream XPert DVB-T
 18ac d500 DViCO FusionHDTV5 Gold
 18ac d810 DViCO FusionHDTV3 Gold-Q
 18ac
 d820 DViCO FusionHDTV3 Gold-T
 18ac db00 DVICO FusionHDTV DVB-T1

18ac db10 DVICO FusionHDTV DVB-T Plus
 7063 3000 pcHDTV HD3000 HDTV
 8804 CX23880/1/2/3 PCI Video and Audio Decoder [IR Port]
 0070 9002 Nova-T DVB-T Model 909
 8811 CX23880/1/2/3 PCI Video and Audio Decoder [Audio Port]
 0070 3401 Hauppauge WinTV 34xxx models
 1462 8606 MSI TV-@nywhere Master
 18ac d500 DViCO FusionHDTV5 Gold
 18ac d810 DViCO FusionHDTV3 Gold-Q
 18ac d820 DViCO FusionHDTV3 Gold-T
 18ac db00 DVICO FusionHDTV DVB-T1
 14f2 MOBILITY Electronics
 0120 EV1000 bridge
 0121 EV1000 Parallel port
 0122 EV1000 Serial port
 0123 EV1000 Keyboard controller
 0124 EV1000 Mouse controller
 14f3 BroadLogic
 2030 2030 DVB-S Satellite Reciever
 2050 2050 DVB-T Terrestrial (Cable) Reciever
 2060 2060 ATSC Terrestrial (Cable) Reciever
 14f4 TOKYO Electronic Industry CO Ltd
 14f5 SOPAC Ltd
 14f6 COYOTE Technologies LLC
 14f7 WOLF Technology Inc
 14f8 AUDIOCODES Inc
 2077 TP-240 dual span E1
 VoIP PCI card
 14f9 AG COMMUNICATIONS
 14fa WANDEL & GOLTERMANN
 14fb TRANSAS MARINE (UK) Ltd
 14fc Quadrics Ltd
 0000 QsNet Elan3 Network Adapter
 0001 QsNetII Elan4 Network Adapter
 0002 QsNetIII Elan5 Network Adapter
 14fd JAPAN Computer Industry Inc
 14fe ARCHTEK TELECOM Corp
 14ff TWINHEAD INTERNATIONAL Corp
 1500 DELTA Electronics, Inc
 1360 RTL81xx RealTek Ethernet
 1501 BANKSOFT CANADA Ltd
 1502 MITSUBISHI ELECTRIC LOGISTICS SUPPORT Co Ltd
 1503 KAWASAKI LSI USA Inc
 1504 KAISER Electronics
 1505 ITA INGENIEURBURO FUR TESTAUFGABEN GmbH
 1506 CHAMELEON Systems Inc
 # Should be HTEC Ltd, but there are no known HTEC chips and 1507 is already used by mistake by Motorola (see vendor ID 1057).

1507 Motorola ?? / HTEC
0001 MPC105 [Eagle]
0002 MPC106 [Grackle]
0003 MPC8240 [Kahlua]
0100 MC145575 [HFC-PCI]
0431 KTI829c 100VG
4801 Raven
4802 Falcon
4803 Hawk
4806 CPX8216
1508 HONDA CONNECTORS/MHOTRONICS Inc
1509 FIRST INTERNATIONAL Computer Inc
150a FORVUS RESEARCH
Inc
150b YAMASHITA Systems Corp
150c KYOPAL CO Ltd
150d WARPSPPED Inc
150e C-PORT Corp
150f INTEC GmbH
1510 BEHAVIOR TECH Computer Corp
1511 CENTILLIUM Technology Corp
1512 ROSUN Technologies Inc
1513 Raychem
1514 TFL LAN Inc
1515 Advent design
1516 MYSON Technology Inc
0800 MTD-8xx 100/10M Ethernet PCI Adapter
0803 SURECOM EP-320X-S 100/10M Ethernet PCI Adapter
1320 10bd SURECOM EP-320X-S 100/10M Ethernet PCI Adapter
0891 MTD-8xx 100/10M Ethernet PCI Adapter
1517 ECHOTEK Corp
1518 PEP MODULAR Computers GmbH
1519 TELEFON AKTIEBOLAGET LM Ericsson
151a Globetek
1002 PCI-1002
1004 PCI-1004
1008 PCI-1008
151b COMBOX Ltd
151c DIGITAL AUDIO LABS Inc
0003 Prodif T 2496
4000 Prodif 88
151d Fujitsu Computer Products Of America
151e MATRIX Corp
151f TOPIC SEMICONDUCTOR Corp
0000 TP560 Data/Fax/Voice 56k modem
1520 CHAPLET System Inc
1521 BELL Corp
1522 MainPine Ltd

0100 PCI <-> IOBus Bridge
 1522 0200 RockForceDUO 2 Port V.92/V.44 Data/Fax/Voice
 Modem
 1522 0300 RockForceQUATRO 4 Port V.92/V.44 Data/Fax/Voice Modem
 1522 0400 RockForceDUO+ 2 Port V.92/V.44 Data/Fax/Voice Modem
 1522 0500 RockForceQUATRO+ 4 Port V.92/V.44 Data/Fax/Voice Modem
 1522 0600 RockForce+ 2 Port V.90 Data/Fax/Voice Modem
 1522 0700 RockForce+ 4 Port V.90 Data/Fax/Voice Modem
 1522 0800 RockForceOCTO+ 8 Port V.92/V.44 Data/Fax/Voice Modem
 1522 0c00 RockForceDUO+ 2 Port V.92/V.44 Data, V.34 Super-G3 Fax, Voice Modem
 1522 0d00 RockForceQUATRO+ 4 Port V.92/V.44 Data, V.34 Super-G3 Fax, Voice Modem
 1522 1d00 RockForceOCTO+ 8 Port V.92/V.44 Data, V.34 Super-G3 Fax, Voice Modem
 1522 2000 RockForceD1 1 Port V.90 Data Modem
 1522 2100 RockForceF1 1 Port V.34 Super-G3 Fax Modem
 1522 2200 RockForceD2 2 Port V.90 Data Modem
 1522 2300 RockForceF2 2 Port V.34 Super-G3 Fax Modem
 1522 2400 RockForceD4 4 Port V.90 Data Modem
 1522 2500 RockForceF4 4 Port V.34 Super-G3 Fax Modem
 1522 2600 RockForceD8 8 Port V.90 Data Modem
 1522
 2700 RockForceF8 8 Port V.34 Super-G3 Fax Modem
 1522 3000 IQ Express D1 - 1 Port V.92 Data Modem
 1522 3100 IQ Express F1 - 1 Port V.34 Super-G3 Fax Modem
 1522 3200 IQ Express D2 - 2 Port V.92 Data Modem
 1522 3300 IQ Express F2 - 2 Port V.34 Super-G3 Fax Modem
 1522 3400 IQ Express D4 - 4 Port V.92 Data Modem
 1522 3500 IQ Express F4 - 4 Port V.34 Super-G3 Fax Modem
 1522 3c00 IQ Express D8 - 8 Port V.92 Data Modem
 1522 3d00 IQ Express F8 - 8 Port V.34 Super-G3 Fax Modem
 1523 MUSIC Semiconductors
 1524 ENE Technology Inc
 0510 CB710 Memory Card Reader Controller
 103c 006a NX9500
 0520 FLASH memory: ENE Technology Inc:
 0530 ENE PCI Memory Stick Card Reader Controller
 0550 ENE PCI Secure Digital Card Reader Controller
 0551 SD/MMC Card Reader Controller
 0610 PCI Smart Card Reader Controller
 1211 CB1211 Cardbus Controller
 1225 CB1225 Cardbus Controller
 1410 CB1410 Cardbus Controller
 1025 003c CL50 motherboard
 1025 005a TravelMate 290
 1411
 CB-710/2/4 Cardbus Controller
 103c 006a NX9500
 1412 CB-712/4 Cardbus Controller
 1420 CB1420 Cardbus Controller

1421 CB-720/2/4 Cardbus Controller
 1422 CB-722/4 Cardbus Controller
 1525 IMPACT Technologies
 1526 ISS, Inc
 1527 SOLECTRON
 1528 ACKSYS
 1529 AMERICAN MICROSystems Inc
 152a QUICKTURN DESIGN Systems
 152b FLYTECH Technology CO Ltd
 152c MACRAIGOR Systems LLC
 152d QUANTA Computer Inc
 152e MELEC Inc
 152f PHILIPS - CRYPTO
 1530 ACQIS Technology Inc
 1531 CHRYON Corp
 1532 ECHELON Corp
 0020 LonWorks PCLTA-20 PCI LonTalk Adapter
 1533 BALTIMORE
 1534 ROAD Corp
 1535 EVERGREEN Technologies Inc
 1536 ACTIS Computer
 1537 DATALEX COMMUNICATIONS
 1538 ARALION Inc
 0303 ARS106S Ultra ATA 133/100/66 Host Controller
 1539 ATELIER INFORMATIQUES et ELECTRONIQUE ETUDES S.A.
 153a ONO SOKKI
 153b TERRATEC Electronic GmbH
 1144 Aureon 5.1
 # Terratec seems to use several IDs for the same card.
 1147 Aureon 5.1 Sky
 1158 Philips Semiconductors SAA7134 (rev 01) [Terratec Cinergy
 600 TV]
 153c ANTAL Electronic
 153d FILANET Corp
 153e TECHWELL Inc
 153f MIPS Technologies, Inc.
 0001 SOC-it 101 System Controller
 1540 PROVIDEO MULTIMEDIA Co Ltd
 1541 MACHONE Communications
 1542 Concurrent Computer Corporation
 9260 RCIM-II Real-Time Clock & Interrupt Module
 1543 SILICON Laboratories
 3052 Intel 537 [Winmodem]
 4c22 Si3036 MC'97 DAA
 1544 DCM DATA Systems
 1545 VISIONTEK
 1546 IOI Technology Corp
 1547 MITUTOYO Corp

1548 JET PROPULSION Laboratory
1549 INTERCONNECT Systems Solutions
154a MAX Technologies Inc
154b COMPUTEX Co Ltd
154c VISUAL Technology Inc
154d PAN INTERNATIONAL Industrial Corp
154e SERVOTEST Ltd
154f STRATABEAM Technology
1550 OPEN NETWORK Co Ltd
1551 SMART Electronic DEVELOPMENT GmBH
1552 RACAL AIRTECH Ltd
1553 CHICONY Electronics Co Ltd
1554 PROLINK Microsystems Corp
1555 GESYTEC GmBH
1556 PLD APPLICATIONS
1557 MEDIASTAR Co Ltd
1558 CLEVO/KAPOK Computer
1559 SI LOGIC Ltd
155a INNOMEDIA Inc
155b PROTAC INTERNATIONAL
Corp
155c Cemax-Icon Inc
155d Mac System Co Ltd
155e LP Elektronik GmbH
155f Perle Systems Ltd
1560 Terayon Communications Systems
1561 Viewgraphics Inc
1562 Symbol Technologies
1563 A-Trend Technology Co Ltd
1564 Yamakatsu Electronics Industry Co Ltd
1565 Biostar Microtech Int'l Corp
1566 Ardent Technologies Inc
1567 Jungsoft
1568 DDK Electronics Inc
1569 Palit Microsystems Inc.
156a Avtec Systems
156b 2wire Inc
156c Vidac Electronics GmbH
156d Alpha-Top Corp
156e Alfa Inc
156f M-Systems Flash Disk Pioneers Ltd
1570 Lecroy Corp
1571 Contemporary Controls
a001 CCSI PCI20-485 ARCnet
a002 CCSI PCI20-485D ARCnet
a003 CCSI PCI20-485X ARCnet
a004 CCSI PCI20-CXB ARCnet
a005 CCSI PCI20-CXS ARCnet

a006 CCSI PCI20-FOG-SMA ARCnet
a007 CCSI PCI20-FOG-ST ARCnet
a008 CCSI PCI20-TB5 ARCnet
a009 CCSI PCI20-5-485 5Mbit ARCnet
a00a CCSI PCI20-5-485D 5Mbit ARCnet
a00b CCSI PCI20-5-485X 5Mbit ARCnet
a00c CCSI PCI20-5-FOG-ST 5Mbit ARCnet
a00d CCSI PCI20-5-FOG-SMA
5Mbit ARCnet
a201 CCSI PCI22-485 10Mbit ARCnet
a202 CCSI PCI22-485D 10Mbit ARCnet
a203 CCSI PCI22-485X 10Mbit ARCnet
a204 CCSI PCI22-CHB 10Mbit ARCnet
a205 CCSI PCI22-FOG_ST 10Mbit ARCnet
a206 CCSI PCI22-THB 10Mbit ARCnet
1572 Otis Elevator Company
1573 Lattice - Vantis
1574 Fairchild Semiconductor
1575 Voltaire Advanced Data Security Ltd
1576 Viewcast COM
1578 HITTT
5615 VPMK3 [Video Processor Mk III]
1579 Dual Technology Corp
157a Japan Electronics Ind Inc
157b Star Multimedia Corp
157c Eurosoft (UK)
8001 Fix2000 PCI Y2K Compliance Card
157d Gemflex Networks
157e Transition Networks
157f PX Instruments Technology Ltd
1580 Primex Aerospace Co
1581 SEH Computertechnik GmbH
1582 Cytec Corp
1583 Inet Technologies Inc
1584 Uniwill Computer Corp
1585 Logitron
1586 Lancast Inc
1587 Konica Corp
1588 Solidum Systems Corp
1589 Atlantek Microsystems Pty Ltd
158a Digalog Systems Inc
158b Allied Data Technologies
158c Hitachi Semiconductor & Devices Sales
Co Ltd
158d Point Multimedia Systems
158e Lara Technology Inc
158f Ditect Coop
1590 3pardata Inc

0001 Eagle Cluster Manager
 0002 Osprey Cluster Manager
 a01d FC044X Fibre Channel HBA
 1591 ARN
 1592 Syba Tech Ltd
 0781 Multi-IO Card
 0782 Parallel Port Card 2xEPP
 0783 Multi-IO Card
 0785 Multi-IO Card
 0786 Multi-IO Card
 0787 Multi-IO Card
 0788 Multi-IO Card
 078a Multi-IO Card
 1593 Bops Inc
 1594 Netgame Ltd
 1595 Diva Systems Corp
 1596 Folsom Research Inc
 1597 Memec Design Services
 1598 Granite Microsystems
 1599 Delta Electronics Inc
 159a General Instrument
 159b Faraday Technology Corp
 159c Stratus Computer Systems
 159d Ningbo Harrison Electronics Co Ltd
 159e A-Max Technology Co Ltd
 159f Galea Network Security
 15a0 Compumaster SRL
 15a1 Geocast Network Systems
 15a2 Catalyst Enterprises Inc
 0001 TA700 PCI Bus Analyzer/Exerciser
 15a3 Italtel
 15a4 X-Net OY
 15a5 Toyota Macs Inc
 15a6 Sunlight Ultrasound Technologies Ltd
 15a7 SSE Telecom Inc
 15a8
 Shanghai Communications Technologies Center
 15aa Moreton Bay
 15ab Bluesteel Networks Inc
 15ac North Atlantic Instruments
 15ad VMware Inc
 0405 [VMware SVGA II] PCI Display Adapter
 0710 Virtual SVGA
 0720 VMware High-Speed Virtual NIC [vmxnet]
 15ae Amersham Pharmacia Biotech
 15b0 Zoltrix International Ltd
 15b1 Source Technology Inc
 15b2 Mosaid Technologies Inc

15b3 Mellanox Technologies
 0191 MT25408 [ConnectX IB SDR Flash Recovery]
 5274 MT21108 InfiniBridge
 5a44 MT23108 InfiniHost
 5a45 MT23108 [Infinihost HCA Flash Recovery]
 5a46 MT23108 PCI Bridge
 5e8d MT25204 [InfiniHost III Lx HCA Flash Recovery]
 6274 MT25204 [InfiniHost III Lx HCA]
 6278 MT25208 InfiniHost III Ex (Tavor compatibility mode)
 6279 MT25208 [InfiniHost III Ex HCA Flash Recovery]
 6282 MT25208 InfiniHost III Ex
 6340 MT25408 [ConnectX IB SDR]
 634a MT25418 [ConnectX IB DDR]
 6354 MT25428 [ConnectX IB QDR]
 6368 MT25448 [ConnectX EN 10GigE]
 15b4 CCI/TRIAD
 15b5 Cimetrics Inc
 15b6 Texas
 Memory Systems Inc
 15b7 Sandisk Corp
 15b8 ADDI-DATA GmbH
 1003 APCI1032 SP controller (32 digi inputs w/ opto coupler)
 1005 APCI2200 SP controller (8/16 digi outputs (relay))
 100a APCI1696 SP controller (96 TTL I/Os)
 3001 APCI3501 SP controller (analog output board)
 15b9 Maestro Digital Communications
 15ba Impacct Technology Corp
 15bb Portwell Inc
 15bc Agilent Technologies
 1100 E8001-66442 PCI Express CIC
 2922 64 Bit, 133MHz PCI-X Exerciser & Protocol Checker
 2928 64 Bit, 66MHz PCI Exerciser & Analyzer
 2929 64 Bit, 133MHz PCI-X Analyzer & Exerciser
 15bd DFI Inc
 15be Sola Electronics
 15bf High Tech Computer Corp (HTC)
 15c0 BVM Ltd
 15c1 Quantel
 15c2 Newer Technology Inc
 15c3 Taiwan Mycomp Co Ltd
 15c4 EVSX Inc
 15c5 Procomp Informatics Ltd
 8010 1394b - 1394 Firewire 3-Port Host Adapter Card
 15c6 Technical University of Budapest
 15c7 Tateyama System Laboratory Co Ltd
 0349 Tateyama C-PCI PLC/NC card Rev.01A
 15c8 Penta Media Co Ltd
 15c9 Serome Technology

Inc
15ca Bitboys OY
15cb AG Electronics Ltd
15cc Hotrail Inc
15cd Dreamtech Co Ltd
15ce Genrad Inc
15cf Hilscher GmbH
15d1 Infineon Technologies AG
15d2 FIC (First International Computer Inc)
15d3 NDS Technologies Israel Ltd
15d4 Iwill Corp
15d5 Tatung Co
15d6 Entridia Corp
15d7 Rockwell-Collins Inc
15d8 Cybernetics Technology Co Ltd
15d9 Super Micro Computer Inc
15da Cyberfirm Inc
15db Applied Computing Systems Inc
15dc Litronic Inc
0001 Argus 300 PCI Cryptography Module
15dd Sigmatel Inc
15de Malleable Technologies Inc
15df Infinilink Corp
15e0 Cacheflow Inc
15e1 Voice Technologies Group Inc
15e2 Quicknet Technologies Inc
0500 PhoneJack-PCI
15e3 Networth Technologies Inc
15e4 VSN Systemen BV
15e5 Valley technologies Inc
15e6 Agere Inc
15e7 Get Engineering Corp
15e8 National Datacomm Corp
0130 Wireless PCI Card
15e9 Pacific Digital Corp
1841 ADMA-100 DiscStaQ ATA Controller
15ea Tokyo Denshi Seikei K.K.
15eb Drsearch GmbH
15ec Beckhoff GmbH
3101
FC3101 Profibus DP 1 Channel PCI
5102 FC5102
15ed Macrolink Inc
15ee In Win Development Inc
15ef Intelligent Paradigm Inc
15f0 B-Tree Systems Inc
15f1 Times N Systems Inc
15f2 Diagnostic Instruments Inc

15f3 Digitmedia Corp
 15f4 Valuesoft
 15f5 Power Micro Research
 15f6 Extreme Packet Device Inc
 15f7 Bancotec
 15f8 Koga Electronics Co
 15f9 Zenith Electronics Corp
 15fa J.P. Axzam Corp
 15fb Zilog Inc
 15fc Techsan Electronics Co Ltd
 15fd N-CUBED.NET
 15fe Kinpo Electronics Inc
 15ff Fastpoint Technologies Inc
 1600 Northrop Grumman - Canada Ltd
 1601 Tenta Technology
 1602 Prosys-tec Inc
 1603 Nokia Wireless Communications
 1604 Central System Research Co Ltd
 1605 Pairgain Technologies
 1606 Europop AG
 1607 Lava Semiconductor Manufacturing Inc
 1608 Automated Wagering International
 1609 Scimetric Instruments Inc
 1612 Telesynergy Research Inc.
 1619 FarSite Communications Ltd
 0400 FarSync T2P (2 port X.21/V.35/V.24)
 0440 FarSync T4P (4 port X.21/V.35/V.24)
 0610
 FarSync T1U (1 port X.21/V.35/V.24)
 0620 FarSync T2U (2 port X.21/V.35/V.24)
 0640 FarSync T4U (4 port X.21/V.35/V.24)
 1610 FarSync TE1 (T1,E1)
 2610 FarSync DSL-S1 (SHDSL)
 161f Rioworks
 1626 TDK Semiconductor Corp.
 8410 RTL81xx Fast Ethernet
 1629 Kongsberg Spacetec AS
 1003 Format synchronizer v3.0
 1006 Format synchronizer, model 10500
 1007 Format synchronizer, model 21000
 2002 Fast Universal Data Output
 # This seems to occur on their 802.11b Wireless card WMP-11
 1637 Linksys
 3874 Linksys 802.11b WMP11 PCI Wireless card
 1638 Standard Microsystems Corp [SMC]
 1100 SMC2602W EZConnect / Addtron AWA-100 / Eumitcom PCI WL11000
 163c Smart Link Ltd.
 3052 SmartLink SmartPCI562 56K Modem

5449 SmartPCI561 Modem
 1657 Brocade Communications Systems, Inc.
 165a Epix Inc
 c100 PIXCI(R) CL1 Camera Link Video Capture Board [custom QL5232]
 d200 PIXCI(R) D2X Digital Video Capture Board [custom QL5232]
 d300 PIXCI(R) D3X Digital Video Capture Board [custom QL5232]
 165d
 Hsing Tech. Enterprise Co., Ltd.
 165f Linux Media Labs, LLC
 1020 LMLM4 MPEG-4 encoder
 1661 Worldspace Corp.
 1668 Actiontec Electronics Inc
 0100 Mini-PCI bridge
 # Formerly SiByte, Inc.
 166d Broadcom Corporation
 0001 SiByte BCM1125/1125H/1250 System-on-a-Chip PCI
 0002 SiByte BCM1125H/1250 System-on-a-Chip HyperTransport
 1677 Bernecker + Rainer
 104e 5LS172.6 B&R Dual CAN Interface Card
 12d7 5LS172.61 B&R Dual CAN Interface Card
 20ad 5ACPCI.MFIO-K01 Profibus DP / K-Feldbus / COM
 167b ZyDAS Technology Corp.
 2102 ZyDAS ZD1202
 187e 3406 ZyAIR B-122 CardBus 11Mbs Wireless LAN Card
 167d Samsung Electro-Mechanics Co., Ltd.
 a000 IPW2200 miniPCI Wireless
 1681 Hercules
 0010 Hercules 3d Prophet II Ultra 64MB (350 MHz NV15BR core)
 1682 XFX Pine Group Inc.
 1688 CastleNet Technology Inc.
 1170 WLAN 802.11b card
 168c Atheros Communications, Inc.
 0007 AR5000 802.11a Wireless Adapter
 0011 AR5210 802.11a NIC
 0012 AR5211 802.11ab NIC
 0013 AR5212 802.11abg NIC
 1113
 d301 Philips CPWNA100 Wireless CardBus adapter
 1186 3202 D-link DWL-G650 (Rev B3,B5) Wireless cardbus adapter
 1186 3203 DWL-G520 Wireless PCI Adapter
 1186 3a12 D-Link AirPlus DWL-G650 Wireless Cardbus Adapter(rev.C)
 1186 3a13 D-Link AirPlus DWL-G520 Wireless PCI Adapter(rev.B)
 1186 3a14 D-Link AirPremier DWL-AG530 Wireless PCI Adapter
 1186 3a17 D-Link AirPremier DWL-G680 Wireless Cardbus Adapter
 1186 3a18 D-Link AirPremier DWL-G550 Wireless PCI Adapter
 1186 3a63 D-Link AirPremier DWL-AG660 Wireless Cardbus Adapter
 1186 3a93 Conceptronic C54I Wireless 801.11g PCI card
 1186 3a94 C54C Wireless 801.11g cardbus

1186 3ab0 Allnet ALL0281 Wireless PCI Card
 1385 4d00 Netgear WG311T Wireless PCI Adapter
 1458 e911 Gigabyte GN-WIAG02
 14b7 0a60 8482-WD ORiNOCO 11a/b/g Wireless PCI Adapter
 1668 1026 IBM HighRate 11 a/b/g Wireless CardBus Adapter
 168c 0013 AirPlus XtremeG DWL-G650 Wireless PCMCIA Adapter
 168c 1025 DWL-G650B2 Wireless CardBus
 Adapter
 168c 1027 Engenius NL-3054CB ARIES b/g CardBus Adapter
 168c 1042 Ubiquiti Networks SuperRange a/b/g Cardbus Adapter
 168c 2026 Netgate 5354MP ARIES a(108Mb turbo)/b/g MiniPCI Adapter
 168c 2041 Engenius 5354MP Plus ARIES2 b/g MiniPCI Adapter
 168c 2042 Engenius 5354MP Plus ARIES2 a/b/g MiniPCI Adapter
 168c 2051 TRENDnet TEW-443PI Wireless PCI Adapter
 16ab 7302 Trust Speedshare Turbo Pro Wireless PCI Adapter
 17cf 0042 Z-COMAX Highpower XG-622H (400mw) 802.11b/g mini-PCI Adapter
 185f 1012 CM9 Wireless a/b/g MiniPCI Adapter
 185f 2012 Wistron NeWeb WLAN a+b+g model CB9
 001a AR5005G 802.11abg NIC
 1052 168c Sweex Wireless Lan PC Card 54Mbps
 1113 ee20 SMC Wireless CardBus Adapter 802.11g (SMCWCB-G EU)
 1113 ee24 SMC Wireless PCI Card WPCI-G
 1186 3a15 D-Link AirPlus G DWL-G630 Wireless Cardbus Adapter(rev.D)
 1186 3a16 D-Link AirPlus G DWL-G510 Wireless PCI Adapter(rev.B)
 1186 3a23 D-Link AirPlus G DWL-G520+A Wireless PCI Adapter
 1186 3a24
 D-Link AirPlus G DWL-G650+A Wireless Cardbus Adapter
 1186 3b08 AirPlus G DWL-G630
 168c 001a Belkin FD7000
 168c 1052 TP-Link TL-WN510G Wireless CardBus Adapter
 168c 2052 Compex Wireless 802.11 b/g MiniPCI Adapter, Rev A1 [WLM54G]
 001b AR5006X 802.11abg NIC
 1186 3a19 D-Link AirPremier AG DWL-AG660 Wireless Cardbus Adapter
 1186 3a22 D-Link AirPremier AG DWL-AG530 Wireless PCI Adapter
 1458 e901 GN-WI01HT Wireless a/b/g MiniPCI Adapter
 168c 001b Wireless LAN PCI LiteOn
 168c 2062 EnGenius EMP-8602 (400mw) or Compex WLM54AG (SuperAG)
 168c 2063 EnGenius EMP-8602 (400mw) or Compex WLM54AG
 185f 1600 DCMA-82 High Power WLAN 802.11a/b/g mini-PCI Module (Super A/G, eXtended Range, 400mW)
 a727 6804 Wireless 11a/b/g PC Card with XJACK(r) Antenna
 001c AR5006EG 802.11 b/g Wireless PCI Express Adapter
 0020 AR5005VL 802.11bg Wireless NIC
 0023 AR5416 802.11a/b/g/n Wireless PCI Adapter
 0024 AR5418 802.11a/b/g/n Wireless PCI Express Adapter
 1014 AR5212 802.11abg
 NIC
 1014 058a ThinkPad 11a/b/g Wireless LAN Mini Express Adapter (AR5BXB6)
 3b08 D-Link AirPlus G DWL-G630

1695 EPoX Computer Co., Ltd.
169c Netcell Corporation
0044 Revolution Storage Processing Card
The right ID is 196d, but they got it nibble-swapped in 2202.
169d Club-3D VB (Wrong ID)
3306 ZAP TV 2202
16a5 Tekram Technology Co.,Ltd.
16ab Global Sun Technology Inc
1100 GL24110P
1101 PLX9052 PCMCIA-to-PCI Wireless LAN
1102 PCMCIA-to-PCI Wireless Network Bridge
8501 WL-8305 Wireless LAN PCI Adapter
16ae SafeNet Inc
0001 SafeXcel 1140
000a SafeXcel 1841
1141 SafeXcel 1141
1841 SafeXcel 1842
16af SparkLAN Communications, Inc.
16b4 Aspex Semiconductor Ltd
16b8 Sonnet Technologies, Inc.
16be Creatix Polymedia GmbH
16c6 Micrel-Kendin
8695 Centaur KS8695 ARM processor
16c8 Octasic Inc.
16c9 EONIC B.V. The Netherlands
16ca CENATEK Inc
0001 Rocket Drive DL
16cd Densitron Technologies
16ce Roland Corp.
16d5 Acromag, Inc.
0504 PMC-DX504 Reconfigurable
FPGA with LVDS I/O
0520 PMC520 Serial Communication, 232 Octal
0521 PMC521 Serial Communication, 422/485 Octal
1020 PMC-AX1020 Reconfigurable FPGA with A/D & D/A
1065 PMC-AX1065 Reconfigurable FPGA with A/D & D/A
2004 PMC-DX2004 Reconfigurable FPGA with LVDS I/O
2020 PMC-AX2020 Reconfigurable FPGA with A/D & D/A
2065 PMC-AX2065 Reconfigurable FPGA with A/D & D/A
3020 PMC-AX3020 Reconfigurable FPGA with A/D & D/A
3065 PMC-AX3065 Reconfigurable FPGA with A/D & D/A
4243 PMC424, APC424, AcPC424 Digital I/O and Counter Timer Module
4248 PMC464, APC464, AcPC464 Digital I/O and Counter Timer Module
424b PMC-DX2002 Reconfigurable FPGA with Differential I/O
4253 PMC-DX503 Reconfigurable FPGA with TTL and Differential I/O
4312 PMC-CX1002 Reconfigurable Conduction-Cooled FPGA Virtex-II with Differential I/O
4313 PMC-CX1003 Reconfigurable Conduction-Cooled FPGA Virtex-II with CMOS and Differential I/O
4322 PMC-CX2002 Reconfigurable Conduction-Cooled FPGA

Virtex-II with Differential I/O
 4323 PMC-CX2003 Reconfigurable Conduction-Cooled FPGA Virtex-II with CMOS and Differential I/O
 4350 PMC-DX501 Reconfigurable Digital I/O Module
 4353 PMC-DX2003 Reconfigurable FPGA with TTL and Differential I/O
 4357 PMC-DX502 Reconfigurable Differential I/O Module
 4457 PMC730, APC730, AcPC730 Multifunction Module
 464d PMC408 32-Channel Digital Input/Output Module
 4850 PMC220-16 12-Bit Analog Output Module
 4a42 PMC483, APC483, AcPC483 Counter Timer Module
 4a50 PMC484, APC484, AcPC484 Counter Timer Module
 4a56 PMC230 16-Bit Analog Output Module
 4b47 PMC330, APC330, AcPC330 Analog Input Module, 16-bit A/D
 4c40 PMC-LX40 Reconfigurable Virtex-4 FPGA with plug-in I/O
 4c60 PMC-LX60 Reconfigurable Virtex-4 FPGA with plug-in I/O
 4d4d PMC341, APC341, AcPC341 Analog Input Module, Simultaneous Sample & Hold
 4d4e PMC482, APC482, AcPC482 Counter Timer Board
 524d PMC-DX2001 Reconfigurable FPGA with TTL I/O
 5335 PMC-SX35 Reconfigurable
 Virtex-4 FPGA with plug-in I/O
 5456 PMC470 48-Channel Digital Input/Output Module
 16df PIKA Technologies Inc.
 16e3 European Space Agency
 1e0f LEON2FT Processor
 16e5 Intellon Corp.
 6000 INT6000 Ethernet-to-Powerline Bridge [HomePlug AV]
 6300 INT6300 Ethernet-to-Powerline Bridge [HomePlug AV]
 16ec U.S. Robotics
 00ff USR997900 10/100 Mbps PCI Network Card
 0116 USR997902 10/100/1000 Mbps PCI Network Card
 2f00 USR5660A (USR265660A, USR5660A-BP) 56K PCI Faxmodem
 3685 Wireless Access PCI Adapter Model 022415
 16ed Sycron N. V.
 1001 UMIO communication card
 16f3 Jetway Information Co., Ltd.
 16f4 Vweb Corp
 8000 VW2010
 16f6 VideoTele.com, Inc.
 1702 Internet Machines Corporation (IMC)
 1705 Digital First, Inc.
 170b NetOctave
 0100 NSP2000-SSL crypto accelerator
 170c YottaYotta Inc.
 # Seems to be a 2nd ID for Vitesse Semiconductor
 1725 Vitesse Semiconductor
 7174 VSC7174 PCI/PCI-X Serial ATA Host Bus Controller
 172a Accelerated Encryption
 13c8 AEP SureWare Runner

1000V3
 1734 Fujitsu Siemens Computer GmbH
 1078 Amilo Pro v2010
 1085 Celsius M450
 1737 Linksys
 0013 WMP54G Wireless Pci Card
 0015 WMP54GS Wireless Pci Card
 0029 WPG54G ver. 4 PCI Card
 1032 Gigabit Network Adapter
 1737 0015 EG1032 v2 Instant Gigabit Network Adapter
 1737 0024 EG1032 v3 Instant Gigabit Network Adapter
 1064 Gigabit Network Adapter
 1737 0016 EG1064 v2 Instant Gigabit Network Adapter
 ab08 21x4x DEC-Tulip compatible 10/100 Ethernet
 ab09 21x4x DEC-Tulip compatible 10/100 Ethernet
 173b Altima (nee Broadcom)
 03e8 AC1000 Gigabit Ethernet
 03e9 AC1001 Gigabit Ethernet
 03ea AC9100 Gigabit Ethernet
 173b 0001 AC1002
 03eb AC1003 Gigabit Ethernet
 1743 Peppercon AG
 8139 ROL/F-100 Fast Ethernet Adapter with ROL
 1749 RLX Technologies
 174b PC Partner Limited
 174d WellX Telecom SA
 175c AudioScience Inc
 175e Sanera Systems, Inc.
 1775 SBS Technologies
 177d Cavium Networks
 1787 Hightech Information System Ltd.
 # also used by Struck Innovative
 Systeme for joint developments
 1796 Research Centre Juelich
 0001 SIS1100 [Gigabit link]
 0002 HOTlink
 0003 Counter Timer
 0004 CAMAC Controller
 0005 PROFIBUS
 0006 AMCC HOTlink
 1797 JumpTec h, GMBH
 1799 Belkin
 6001 Wireless PCI Card - F5D6001
 6020 Wireless PCMCIA Card - F5D6020
 6060 Wireless PDA Card - F5D6060
 7000 Wireless PCI Card - F5D7000
 700a Wireless PCI Card - F5D7000UK
 7010 BCM4306 802.11b/g Wireless Lan Controller F5D7010

179c Data Patterns
 0557 DP-PCI-557 [PCI 1553B]
 0566 DP-PCI-566 [Intelligent PCI 1553B]
 5031 DP-CPCI-5031-Synchro Module
 5121 DP-CPCI-5121-IP Carrier
 5211 DP-CPCI-5211-IP Carrier
 5679 AGE Display Module
 17a0 Genesys Logic, Inc
 8033 GL880S USB 1.1 controller
 8034 GL880S USB 2.0 controller
 17aa Lenovo
 17af Hightech Information System Ltd.
 17b3 Hawking Technologies
 ab08 PN672TX 10/100 Ethernet
 17b4 Indra Networks, Inc.
 0011 WebEnhance 100 GZIP Compression Card
 17c0 Wistron Corp.
 17c2 Newisys, Inc.
 17cb Airgo Networks
 Inc
 0001 AGN100 802.11 a/b/g True MIMO Wireless Card
 0002 AGN300 802.11 a/b/g True MIMO Wireless Card
 17cc NetChip Technology, Inc
 2280 USB 2.0
 17cf Z-Com, Inc.
 17d3 Areca Technology Corp.
 1110 ARC-1110 4-Port PCI-X to SATA RAID Controller
 1120 ARC-1120 8-Port PCI-X to SATA RAID Controller
 1130 ARC-1130 12-Port PCI-X to SATA RAID Controller
 1160 ARC-1160 16-Port PCI-X to SATA RAID Controller
 1210 ARC-1210 4-Port PCI-Express to SATA RAID Controller
 1220 ARC-1220 8-Port PCI-Express to SATA RAID Controller
 1230 ARC-1230 12-Port PCI-Express to SATA RAID Controller
 1260 ARC-1260 16-Port PCI-Express to SATA RAID Controller
 17d5 S2io Inc.
 5831 Xframe 10 Gigabit Ethernet PCI-X
 103c 12d5 PCI-X 133MHz 10GbE SR Fiber
 10a9 8020 Single Port 10 Gigabit Ethernet (PCI-X, Fiber)
 10a9 8024 Single Port 10 Gigabit Ethernet (PCI-X, Fiber)
 5832 Xframe II 10Gbps Ethernet
 10a9 8021 Single Port 10 Gigabit Ethernet II (PCI-X, Fiber)
 17db Cray Inc
 0101 XT Series
 [Seastar] 3D Toroidal Router
 17de KWorld Computer Co. Ltd.
 17e4 Sectra AB
 0001 KK671 Cardbus encryption board
 0002 KK672 Cardbus encryption board

17e6 Entropic Communications Inc.
 0010 EN2010 [c.Link] MoCA Network Controller (Coax, PCI interface)
 0011 EN2010 [c.Link] MoCA Network Controller (Coax, MPEG interface)
 0021 EN2210 [c.Link] MoCA Network Controller (Coax)
 17ee Connect Components Ltd
 17f2 Albatron Corp.
 17f3 RDC Semiconductor, Inc.
 6020 R6020 North Bridge
 6030 R6030 ISA Bridge
 6040 R6040 MAC Controller
 6060 R6060 USB 1.1 Controller
 6061 R6061 USB 2.0 Controller
 17fe Linksys, A Division of Cisco Systems
 2120 WMP11v4 802.11b PCI card
 2220 [AirConn] INPROCOMM IPN 2220 Wireless LAN Adapter (rev 01)
 17fe 2220 WPC54G ver. 4
 17ff Benq Corporation
 1809 Lumanate, Inc.
 1813 Ambient Technologies Inc
 4000 HaM controllerless modem
 16be 0001 V9x HAM Data Fax Modem
 4100 HaM plus Data Fax Modem
 16be 0002 V9x HAM 1394
 1814 RaLink
 0101 Wireless
 PCI Adapter RT2400 / RT2460
 1043 0127 WiFi-b add-on Card
 1462 6828 PC11B2 (MS-6828) Wireless 11b PCI Card
 0200 RT2500 802.11g PCI [PC54G2]
 0201 RT2500 802.11g Cardbus/mini-PCI
 1043 130f WL-130g
 1371 001e CWC-854 Wireless-G CardBus Adapter
 1371 001f CWM-854 Wireless-G Mini PCI Adapter
 1371 0020 CWP-854 Wireless-G PCI Adapter
 1458 e381 GN-WMKG 802.11b/g Wireless CardBus Adapter
 1458 e931 GN-WIKG 802.11b/g mini-PCI Adapter
 1462 6833 Unknown 802.11g mini-PCI Adapter
 1462 6835 Wireless 11G CardBus CB54G2
 1737 0032 WMP54G 2.0 PCI Adapter
 1799 700a F5D7000 Wireless G Desktop Network Card
 1799 701a F5D7010 Wireless G Notebook Network Card
 185f 22a0 CN-WF513 Wireless Cardbus Adapter
 0301 RT2561/RT61 802.11g PCI
 1186 3c08 DWL-G630 Rev E
 1186 3c09 DWL-G510 Rev C
 13d1 abe3 miniPCI Pluscom 802.11 a/b/g
 1458 e934 GN-WP01GS
 1737 0055 WMP54G ver 4.1

0302 RT2561/RT61 rev B 802.11g
 1186 3c08 DWL-G630 Rev E
 1186 3c09 DWL-G510 Rev C
 1462
 b834 PC54G3 Wireless 11g PCI Card
 0401 Ralink RT2600 802.11 MIMO
 e932 RT2560F 802.11 b/g PCI
 1820 InfiniCon Systems Inc.
 1822 Twinhan Technology Co. Ltd
 0001 Twinhan VisionPlus DVB [card=113]
 4e35 Mantis DTV PCI Bridge Controller [Ver 1.0]
 182d SiteCom Europe BV
 # HFC-based ISDN card
 3069 ISDN PCI DC-105V2
 9790 WL-121 Wireless Network Adapter 100g+ [Ver.3]
 182e Raza Microelectronics, Inc.
 0008 XLR516 Processor
 1830 Credence Systems Corporation
 183b MikroM GmbH
 08a7 MVC100 DVI
 08a8 MVC101 SDI
 08a9 MVC102 DVI+Audio
 08b0 MVC200-DC
 1849 ASRock Incorporation
 184a Thales Computers
 1851 Microtune, Inc.
 1852 Anritsu Corp.
 1853 SMSC Automotive Infotainment System Group
 1854 LG Electronics, Inc.
 185b Compro Technology, Inc.
 185f Wistron NeWeb Corp.
 1864 SilverBack
 2110 ISNAP 2110
 1867 Topspin Communications
 5a44 MT23108 InfiniHost HCA
 5a45 MT23108 InfiniHost HCA flash recovery
 5a46 MT23108 InfiniHost HCA bridge
 6278 MT25208 InfiniHost III Ex
 (Tavor compatibility mode)
 6282 MT25208 InfiniHost III Ex
 186c Humusoft
 0614 MF614 multifunction I/O card
 1876 L-3 Communications
 a101 VignaWATCH PCI
 a102 VignaWATCH PMC
 a103 Vigna I/O
 187e ZyXEL Communication Corporation
 3403 ZyAir G-110 802.11g

340e M-302 802.11g XtremeMIMO
 1885 Avvida Systems Inc.
 1888 Varisys Ltd
 0301 VMFX1 FPGA PMC module
 0601 VSM2 dual PMC carrier
 0710 VS14x series PowerPC PCI board
 0720 VS24x series PowerPC PCI board
 188a Ample Communications, Inc
 1890 Egenera, Inc.
 1894 KNC One
 1896 B&B Electronics Manufacturing Company, Inc.
 18a1 Astute Networks Inc.
 18ac DViCO Corporation
 d500 FusionHDTV 5
 d800 FusionHDTV 3 Gold
 d810 FusionHDTV 3 Gold-Q
 d820 FusionHDTV 3 Gold-T
 18b8 Ammasso
 b001 AMSO 1100 iWARP/RDMA Gigabit Ethernet Coprocessor
 18bc Info-Tek Corp.
 18c3 Micronas Semiconductor Holding AG
 # Nee Octigabay System
 18c8 Cray Inc
 18c9 ARVOO Engineering BV
 18ca XGI Technology Inc. (eXtreme Graphics Innovation)
 0020 Volari
 Z7
 0040 Volari V3XT/V5/V8
 0047 Volari 8300 (chip: XP10, codename: XG47)
 18d2 Sitecom
 # Sitecom HFC-S based ISDN controller card DC-105v2
 3069 DC-105v2 ISDN controller
 18dd Artimi Inc
 4c6f Artimi RTMI-100 UWB adapter
 18e6 MPL AG
 0001 OSCI [Octal Serial Communication Interface]
 18ec Cesnet, z.s.p.o.
 c006 COMBO6
 18ec d001 COMBO-4MTX
 18ec d002 COMBO-4SFP
 18ec d003 COMBO-4SFPRO
 18ec d004 COMBO-2XFP
 c045 COMBO6E
 c050 COMBO-PTM
 c058 COMBO6X
 18ec d001 COMBO-4MTX
 18ec d002 COMBO-4SFP
 18ec d003 COMBO-4SFPRO

18ec d004 COMBO-2XFP
 18f6 NextIO
 1000 [Nexsis] Switch Virtual P2P PCIe Bridge
 1050 [Nexsis] Switch Virtual P2P PCI Bridge
 2000 [Nexsis] Switch Integrated Mgmt. Endpoint
 18f7 Commtech, Inc.
 0001 Fastcom ESCC-PCI-335
 0002 Fastcom 422/4-PCI-335
 0004 Fastcom 422/2-PCI-335
 0005 Fastcom IGESCC-PCI-ISO/1
 000a Fastcom 232/4-PCI-335
 18fb Resilience Corporation
 1904 Hangzhou Silan Microelectronics Co., Ltd.
 8139 RTL8139D [Realtek]
 PCI 10/100BaseTX ethernet adaptor
 1923 Sangoma Technologies Corp.
 0040 A200/Remora FXO/FXS Analog AFT card
 0100 A104d QUAD T1/E1 AFT card
 0300 A101 single-port T1/E1
 0400 A104u Quad T1/E1 AFT
 # nee Level 5 Networks
 1924 Solarflare Communications
 192e TransDimension
 1931 Option N.V.
 000c Qualcomm MSM6275 UMTS chip
 1942 ClearSpeed Technology plc
 e511 CSX600 Advance Accelerator Board
 194a DapTechnology B.V.
 1111 FireSpy3850
 1112 FireSpy450b
 1113 FireSpy450bT
 1114 FireSpy850
 1115 FireSpy850bT
 1957 Freescale Semiconductor Inc
 0012 MPC8548 [PowerQUICC III]
 0080 MPC8349E
 0081 MPC8349
 0082 MPC8347E TBGA
 0083 MPC8347 TBGA
 0084 MPC8347E PBGA
 0085 MPC8347 PBGA
 0086 MPC8343E
 0087 MPC8343
 1958 Faster Technology, LLC.
 1959 PA Semi, Inc
 1966 Orad Hi-Tec Systems
 1975 DVG64 family
 1969 Attansic Technology Corp.

1048 L1 Gigabit Ethernet Adapter
2048 L2 100 Mbit Ethernet Adapter
196a Sensory Networks Inc.
0101 NodalCore C-1000 Content Classification Accelerator
0102 NodalCore C-2000 Content Classification Accelerator
0105 NodalCore C-3000 Content Classification Accelerator
196d Club-3D BV
1971 AGEIA Technologies, Inc.
1011 Physics Processing Unit [PhysX]
1043 0001 PhysX P1
197b JMicron Technologies, Inc.
2360 JMicron 20360/20363 AHCI Controller
2361 JMB361 AHCI/IDE
1462 7235 P965 Neo MS-7235 mainboard
2363 JMicron 20360/20363 AHCI Controller
2365 JMB365 AHCI/IDE
2366 JMB366 AHCI/IDE
2368 JMB368 IDE controller
1982 Distant Early Warning Communications Inc
1600 OX16C954 HOST-A
16ff OX16C954 HOST-B
1989 Montilio Inc.
0001 RapidFile Bridge
8001 RapidFile
1993 Innominate Security Technologies AG
199a Pulse-LINK, Inc.
19a2 ServerEngines LLC
0200 BladeEngine 10Gb PCI-E iSCSI adapter
0201 BladeEngine 10Gb PCI-E Network Adpater
19a8 DAQDATA GmbH
19ac Kasten Chase Applied Research
0001 ACA2400 Crypto Accelerator
19ae Progeny Systems Corporation
0520 4135 HFT Interface Controller
19d4
Quixant Limited
19de Pico Computing
19e2 Vector Informatik GmbH
19e7 NET (Network Equipment Technologies)
1001 STIX DSP Card
1002 STIX - 1 Port T1/E1 Card
1003 STIX - 2 Port T1/E1 Card
1004 STIX - 4 Port T1/E1 Card
1005 STIX - 4 Port FXS Card
1a03 ASPEED Technology, Inc.
2000 AST2000
1a07 Kvaser AB

0006 CAN interface PC104+ HS/HS
 0007 CAN interface PC1canx II HS or HS/HS
 1a08 Sierra semiconductor
 0000 SC15064
 1a1d GFaI e.V.
 1a17 Meta Networks MTP-1G IDPS NIC
 1a22 Ambric Inc.
 1a29 Fortinet, Inc.
 1a51 Hectronic AB
 1a5d Celoxica
 1a71 XenSource, Inc.
 1a73 Violin Memory, Inc
 0001 Mozart [Memory Appliance 1010]
 1a77 Lightfleet Corporation
 1a78 Virident Systems Inc.
 1a8c Verigy Pte. Ltd.
 1100 E8001-66443 PCI Express CIC
 1ab9 Espia Srl
 1b13 Jatón Corp
 1c1c Symphony
 0001 82C101
 1d44 DPT
 a400 PM2x24/PM3224
 1de1 Tekram Technology Co.,Ltd.
 0391 TRM-S1040
 2020 DC-390
 690c 690c
 dc29 DC290
 1fc0 Tumsan Oy
 0300 E2200 Dual E1/Rawpipe Card
 1fc1
 PathScale, Inc
 000d InfiniPath HT-400
 0010 InfiniPath PE-800
 1fce Cognio Inc.
 0001 Spectrum Analyzer PC Card (SAGe)
 2000 Smart Link Ltd.
 2001 Temporal Research Ltd
 2003 Smart Link Ltd.
 2004 Smart Link Ltd.
 21c3 21st Century Computer Corp.
 # (Probably only the Mobile Phone Division)
 22b8 Motorola, Inc.
 2348 Racore
 2010 8142 100VG/AnyLAN
 2646 Kingston Technologies
 270b Xantel Corporation
 270f Chaintech Computer Co. Ltd

2711 AVID Technology Inc.
 2a15 3D Vision(???)
 3000 Hansol Electronics Inc.
 3142 Post Impression Systems.
 3388 Hint Corp
 0013 HiNT HC4 PCI to ISDN bridge, Multimedia audio controller
 0014 HiNT HC4 PCI to ISDN bridge, Network controller
 0020 HB6 Universal PCI-PCI bridge (transparent mode)
 0021 HB6 Universal PCI-PCI bridge (non-transparent mode)
 1775 c200 C2K CompactPCI interface bridge
 1775 ce90 CE9
 4c53 1050 CT7 mainboard
 4c53 1080 CT8 mainboard
 4c53 1090 Cx9 mainboard
 4c53 10a0 CA3/CR3 mainboard
 4c53 3010 PPCI mezzanine
 (32-bit PMC)
 4c53 3011 PPCI mezzanine (64-bit PMC)
 4c53 4000 PMCCARR1 carrier board
 0022 HiNT HB4 PCI-PCI Bridge (PCI6150)
 0026 HB2 PCI-PCI Bridge
 101a E.Band [AudioTrak Inca88]
 101b E.Band [AudioTrak Inca88]
 8011 VXPro II Chipset
 3388 8011 VXPro II Chipset CPU to PCI Bridge
 8012 VXPro II Chipset
 3388 8012 VXPro II Chipset PCI to ISA Bridge
 8013 VXPro II IDE
 3388 8013 VXPro II Chipset EIDE Controller
 3411 Quantum Designs (H.K.) Inc
 3513 ARCOM Control Systems Ltd
 3842 eVga.com. Corp.
 c370 e-GeFORCE 6600 256 DDR PCI-e
 38ef 4Links
 3d3d 3DLabs
 0001 GLINT 300SX
 0002 GLINT 500TX
 0000 0000 GLoria L
 0003 GLINT Delta
 0000 0000 GLoria XL
 0004 Permedia
 0005 Permedia
 0006 GLINT MX
 0000 0000 GLoria XL
 1048 0a42 GLoria XXL
 0007 3D Extreme
 0008 GLINT Gamma G1
 1048 0a42 GLoria XXL

0009 Permedia II 2D+3D
 1040 0011 AccelStar II
 1048 0a42 GLoria XXL
 13e9 1000 6221L-4U
 3d3d 0100 AccelStar II 3D Accelerator
 3d3d 0111 Permedia
 3:16
 3d3d 0114 Santa Ana
 3d3d 0116 Oxygen GVX1
 3d3d 0119 Scirocco
 3d3d 0120 Santa Ana PCL
 3d3d 0125 Oxygen VX1
 3d3d 0127 Permedia3 Create!
 000a GLINT R3
 3d3d 0121 Oxygen VX1
 000c GLINT R3 [Oxygen VX1]
 3d3d 0144 Oxygen VX1-4X AGP [Permedia 4]
 000d GLint R4 rev A
 0011 GLint R4 rev B
 0012 GLint R5 rev A
 0013 GLint R5 rev B
 0020 VP10 visual processor
 0022 VP10 visual processor
 0024 VP9 visual processor
 0100 Permedia II 2D+3D
 07a1 Wildcat III 6210
 07a2 Sun XVR-500 Graphics Accelerator
 07a3 Wildcat IV 7210
 1004 Permedia
 3d04 Permedia
 ffff Glint VGA
 4005 Avance Logic Inc.
 0300 ALS300 PCI Audio Device
 0308 ALS300+ PCI Audio Device
 0309 PCI Input Controller
 1064 ALG-2064
 2064 ALG-2064i
 2128 ALG-2364A GUI Accelerator
 2301 ALG-2301
 2302 ALG-2302
 2303 AVG-2302 GUI Accelerator
 2364 ALG-2364A
 2464 ALG-2464
 2501 ALG-2564A/25128A
 4000 ALS4000 Audio Chipset
 4005 4000 ALS4000 Audio Chipset
 4710 ALC200/200P
 4033

Addtron Technology Co, Inc.
 1360 RTL8139 Ethernet
 4040 NetXen Incorporated
 0001 NXB-10GXSX 10 Gigabit Ethernet PCIe Adapter with SR-XFP optical interface
 0002 NXB-10GCX4 10 Gigabit Ethernet PCIe Adapter with CX4 copper interface
 0003 NXB-4GCU Quad Gigabit Ethernet PCIe Adapter with 1000-BASE-T interface
 0004 BladeCenter-H 10 Gigabit Ethernet High Speed Daughter Card
 4143 Digital Equipment Corp
 4144 Alpha Data
 0044 ADM-XRCIIPro
 416c Aladdin Knowledge Systems
 0100 AladdinCARD
 0200 CPC
 4321 Tata Power Strategic Electronics Division
 434e CAST Navigation LLC
 4444 InterneXt Compression Inc
 0016 iTVC16 (CX23416) MPEG-2 Encoder
 0070 0003 WinTV PVR 250
 0070 0009 WinTV PVR 150
 0070 0801 WinTV PVR 150
 0070 0807 WinTV PVR 150
 0070 4001 WinTV PVR 250
 0070 4009 WinTV PVR 250
 0070 4801 WinTV PVR 250
 0070 4803 WinTV PVR 250
 0070 8003 WinTV PVR 150
 0070 8801 WinTV PVR 150
 0070 c801 WinTV PVR 150
 0070 e807 WinTV PVR 500 (1st unit)
 0070 e817
 WinTV PVR 500 (2nd unit)
 0070 ff92 WinTV PVR-550
 0270 0801 WinTV PVR 150
 10fc d038 GV-MVP/RX2W (1st unit)
 10fc d039 GV-MVP/RX2W (2nd unit)
 12ab fff3 MPG600
 12ab ffff MPG600
 1461 c019 UltraTV 1500 MCE
 9005 0092 VideOh! AVC-2010
 9005 0093 VideOh! AVC-2410
 0803 iTVC15 MPEG-2 Encoder
 0070 4000 WinTV PVR-350
 0070 4001 WinTV PVR-250
 0070 4800 WinTV PVR-350 (V1)
 12ab 0000 MPG160
 1461 a3ce M179
 1461 a3cf M179
 4468 Bridgeport machines

4594 Cogetec Informatique Inc
 45fb Baldor Electric Company
 4680 Umax Computer Corp
 4843 Hercules Computer Technology Inc
 4916 RedCreek Communications Inc
 1960 RedCreek PCI adapter
 4943 Growth Networks
 494f ACCES I/O Products, Inc.
 10e8 LPCI-COM-8SM
 4978 Axil Computer Inc
 4a14 NetVin
 5000 NV5000SC
 4a14 5000 RT8029-Based Ethernet Adapter
 4b10 Buslogic Inc.
 4c48 LUNG HWA Electronics
 4c53 SBS Technologies
 0000 PLUSTEST device
 4c53 3000 PLUSTEST card (PC104+)
 4c53 3001 PLUSTEST card (PMC)
 0001
 PLUSTEST-MM device
 4c53 3002 PLUSTEST-MM card (PMC)
 4ca1 Seanix Technology Inc
 4d51 MediaQ Inc.
 0200 MQ-200
 4d54 Microtechnica Co Ltd
 4d56 MATRIX VISION GmbH
 0000 Altera Cyclone II CameraLink Frame Grabber [mvHYPERION-CLe]
 4ddc ILC Data Device Corp
 0100 DD-42924I5-300 (ARINC 429 Data Bus)
 0801 BU-65570I1 MIL-STD-1553 Test and Simulation
 0802 BU-65570I2 MIL-STD-1553 Test and Simulation
 0811 BU-65572I1 MIL-STD-1553 Test and Simulation
 0812 BU-65572I2 MIL-STD-1553 Test and Simulation
 0881 BU-65570T1 MIL-STD-1553 Test and Simulation
 0882 BU-65570T2 MIL-STD-1553 Test and Simulation
 0891 BU-65572T1 MIL-STD-1553 Test and Simulation
 0892 BU-65572T2 MIL-STD-1553 Test and Simulation
 0901 BU-65565C1 MIL-STD-1553 Data Bus
 0902 BU-65565C2 MIL-STD-1553 Data Bus
 0903 BU-65565C3 MIL-STD-1553 Data Bus
 0904 BU-65565C4 MIL-STD-1553 Data Bus
 0b01 BU-65569I1 MIL-STD-1553 Data Bus
 0b02 BU-65569I2 MIL-STD-1553 Data Bus
 0b03 BU-65569I3 MIL-STD-1553 Data Bus
 0b04
 BU-65569I4 MIL-STD-1553 Data Bus
 5046 GemTek Technology Corporation

1001 PCI Radio
 5053 Voyetra Technologies
 2010 Daytona Audio Adapter
 5136 S S Technologies
 5143 Qualcomm Inc
 5145 Ensoniq (Old)
 3031 Concert AudioPCI
 5168 Animation Technologies Inc.
 0300 FlyDVB-S
 0301 FlyDVB-T
 5301 Alliance Semiconductor Corp.
 0001 ProMotion aT3D
 5333 S3 Inc.
 0551 Plato/PX (system)
 5631 86c325 [ViRGE]
 8800 86c866 [Vision 866]
 8801 86c964 [Vision 964]
 8810 86c764_0 [Trio 32 vers 0]
 8811 86c764/765 [Trio32/64/64V+]
 8812 86cM65 [Aurora64V+]
 8813 86c764_3 [Trio 32/64 vers 3]
 8814 86c767 [Trio 64UV+]
 8815 86cM65 [Aurora 128]
 883d 86c988 [ViRGE/VX]
 8870 FireGL
 8880 86c868 [Vision 868 VRAM] vers 0
 8881 86c868 [Vision 868 VRAM] vers 1
 8882 86c868 [Vision 868 VRAM] vers 2
 8883 86c868 [Vision 868 VRAM] vers 3
 88b0 86c928 [Vision 928 VRAM] vers 0
 88b1 86c928 [Vision 928 VRAM] vers 1
 88b2 86c928 [Vision 928 VRAM] vers 2
 88b3 86c928 [Vision 928 VRAM]
 vers 3
 88c0 86c864 [Vision 864 DRAM] vers 0
 88c1 86c864 [Vision 864 DRAM] vers 1
 88c2 86c864 [Vision 864-P DRAM] vers 2
 88c3 86c864 [Vision 864-P DRAM] vers 3
 88d0 86c964 [Vision 964 VRAM] vers 0
 88d1 86c964 [Vision 964 VRAM] vers 1
 88d2 86c964 [Vision 964-P VRAM] vers 2
 88d3 86c964 [Vision 964-P VRAM] vers 3
 88f0 86c968 [Vision 968 VRAM] rev 0
 88f1 86c968 [Vision 968 VRAM] rev 1
 88f2 86c968 [Vision 968 VRAM] rev 2
 88f3 86c968 [Vision 968 VRAM] rev 3
 8900 86c755 [Trio 64V2/DX]
 5333 8900 86C775 Trio64V2/DX

8901 86c775/86c785 [Trio 64V2/DX or /GX]
 5333 8901 86C775 Trio64V2/DX, 86C785 Trio64V2/GX
 8902 Plato/PX
 8903 Trio 3D business multimedia
 8904 Trio 64 3D
 1014 00db Integrated Trio3D
 4843 314a Terminator 128/3D GLH
 5333 8904 86C365 Trio3D AGP
 8905 Trio 64V+ family
 8906 Trio 64V+ family
 8907 Trio 64V+ family
 8908 Trio 64V+ family
 8909 Trio 64V+ family
 890a Trio 64V+ family
 890b Trio 64V+ family
 890c Trio 64V+ family
 890d
 Trio 64V+ family
 890e Trio 64V+ family
 890f Trio 64V+ family
 8a01 ViRGE/DX or /GX
 0e11 b032 ViRGE/GX
 10b4 1617 Nitro 3D
 10b4 1717 Nitro 3D
 5333 8a01 ViRGE/DX
 8a10 ViRGE/GX2
 1092 8a10 Stealth 3D 4000
 8a13 86c368 [Trio 3D/2X]
 5333 8a13 Trio3D/2X
 8a20 86c794 [Savage 3D]
 5333 8a20 86C391 Savage3D
 8a21 86c390 [Savage 3D/MV]
 5333 8a21 86C390 Savage3D/MV
 8a22 Savage 4
 1033 8068 Savage 4
 1033 8069 Savage 4
 1033 8110 Savage 4 LT
 105d 0018 SR9 8Mb SDRAM
 105d 002a SR9 Pro 16Mb SDRAM
 105d 003a SR9 Pro 32Mb SDRAM
 105d 092f SR9 Pro+ 16Mb SGRAM
 1092 4207 Stealth III S540
 1092 4800 Stealth III S540
 1092 4807 SpeedStar A90
 1092 4808 Stealth III S540
 1092 4809 Stealth III S540
 1092 480e Stealth III S540
 1092 4904 Stealth III S520

1092 4905 SpeedStar A200
 1092 4a09 Stealth III S540
 1092 4a0b Stealth III S540 Xtreme
 1092 4a0f Stealth III S540
 1092 4e01 Stealth III S540
 1102 101d 3d Blaster Savage 4
 1102 101e
 3d Blaster Savage 4
 5333 8100 86C394-397 Savage4 SDRAM 100
 5333 8110 86C394-397 Savage4 SDRAM 110
 5333 8125 86C394-397 Savage4 SDRAM 125
 5333 8143 86C394-397 Savage4 SDRAM 143
 5333 8a22 86C394-397 Savage4
 5333 8a2e 86C394-397 Savage4 32bit
 5333 9125 86C394-397 Savage4 SGRAM 125
 5333 9143 86C394-397 Savage4 SGRAM 143
 8a23 Savage 4
 8a25 ProSavage PM133
 8a26 ProSavage KM133
 8c00 ViRGE/M3
 8c01 ViRGE/MX
 1179 0001 ViRGE/MX
 8c02 ViRGE/MX+
 8c03 ViRGE/MX+MV
 8c10 86C270-294 Savage/MX-MV
 8c11 82C270-294 Savage/MX
 8c12 86C270-294 Savage/IX-MV
 1014 017f Thinkpad T20/T22
 1179 0001 86C584 SuperSavage/IXC Toshiba
 8c13 86C270-294 Savage/IX
 1179 0001 Magnia Z310
 8c22 SuperSavage MX/128
 8c24 SuperSavage MX/64
 8c26 SuperSavage MX/64C
 8c2a SuperSavage IX/128 SDR
 8c2b SuperSavage IX/128 DDR
 8c2c SuperSavage IX/64 SDR
 8c2d SuperSavage IX/64 DDR
 8c2e SuperSavage IX/C SDR
 1014 01fc ThinkPad T23 (2647-4MG)
 8c2f SuperSavage IX/C
 DDR
 8d01 86C380 [ProSavageDDR K4M266]
 8d02 VT8636A [ProSavage KN133] AGP4X VGA Controller (TwisterK)
 8d03 VT8751 [ProSavageDDR P4M266]
 8d04 VT8375 [ProSavage8 KM266/KL266]
 8e48 Chrome S27 PCIE
 5333 0130 Chrome S27 256M DDR2

9102 86C410 Savage 2000
 1092 5932 Viper II Z200
 1092 5934 Viper II Z200
 1092 5952 Viper II Z200
 1092 5954 Viper II Z200
 1092 5a35 Viper II Z200
 1092 5a37 Viper II Z200
 1092 5a55 Viper II Z200
 1092 5a57 Viper II Z200
 ca00 SonicVibes
 544c Teralogic Inc
 0350 TL880-based HDTV/ATSC tuner
 5455 Technische University Berlin
 4458 S5933
 5456 GoTView
 5519 Cnet Technologies, Inc.
 5544 Dunord Technologies
 0001 I-30xx Scanner Interface
 5555 Genroco, Inc
 0003 TURBOstor HFP-832 [HiPPI NIC]
 5654 VoiceTronix Pty Ltd
 3132 OpenSwitch12
 5700 Netpower
 5851 Exacq Technologies
 5853 XenSource, Inc.
 0001 Xen Platform Device
 6356 UltraStor
 6374 c't Magazin fuer Computertechnik
 6773 GPPCI
 6409 Logitech Corp.
 6666 Decision Computer
 International Co.
 0001 PCCOM4
 0002 PCCOM8
 0004 PCCOM2
 0101 PCI 8255/8254 I/O Card
 7063 pcHDTV
 2000 HD-2000
 3000 HD-3000
 5500 HD5500 HDTV
 7604 O.N. Electronic Co Ltd.
 7bde MIDAC Corporation
 7fed PowerTV
 8008 Quancom Electronic GmbH
 0010 WDOG1 [PCI-Watchdog 1]
 0011 PWDOG2 [PCI-Watchdog 2]
 # Wrong ID used in subsystem ID of AsusTek PCI-USB2 PCI card.
 807d Asustek Computer, Inc.

8086 Intel Corporation
 0007 82379AB
 0008 Extended Express System Support Controller
 0039 21145 Fast Ethernet
 0122 82437FX
 0309 80303 I/O Processor PCI-to-PCI Bridge
 030d 80312 I/O Companion Chip PCI-to-PCI Bridge
 0326 6700/6702PXH I/OxAPIC Interrupt Controller A
 0327 6700PXH I/OxAPIC Interrupt Controller B
 0329 6700PXH PCI Express-to-PCI Bridge A
 032a 6700PXH PCI Express-to-PCI Bridge B
 032c 6702PXH PCI Express-to-PCI Bridge A
 0330 80332 [Dobson] I/O processor (A-Segment Bridge)
 0331 80332 [Dobson] I/O processor (A-Segment IOAPIC)
 0332 80332 [Dobson] I/O processor
 (B-Segment Bridge)
 0333 80332 [Dobson] I/O processor (B-Segment IOAPIC)
 0334 80332 [Dobson] I/O processor (ATU)
 0335 80331 [Lindsay] I/O processor (PCI-X Bridge)
 0336 80331 [Lindsay] I/O processor (ATU)
 0340 41210 [Lanai] Serial to Parallel PCI Bridge (A-Segment Bridge)
 0341 41210 [Lanai] Serial to Parallel PCI Bridge (B-Segment Bridge)
 0370 80333 Segment-A PCI Express-to-PCI Express Bridge
 0371 80333 A-Bus IOAPIC
 0372 80333 Segment-B PCI Express-to-PCI Express Bridge
 0373 80333 B-Bus IOAPIC
 0374 80333 Address Translation Unit
 0482 82375EB/SB PCI to EISA Bridge
 0483 82424TX/ZX [Saturn] CPU to PCI bridge
 0484 82378ZB/IB, 82379AB (SIO, SIO.A) PCI to ISA Bridge
 0486 82425EX/ZX [Aries] PCIsset with ISA bridge
 04a3 82434LX/NX [Mercury/Neptune] Processor to PCI bridge
 04d0 82437FX [Triton FX]
 0500 E8870 Processor bus control
 0501 E8870 Memory controller
 # and registers common to both SPs
 0502 E8870 Scalability Port 0
 # and global performance monitoring
 0503
 E8870 Scalability Port 1
 0510 E8870IO Hub Interface Port 0 registers (8-bit compatibility port)
 0511 E8870IO Hub Interface Port 1 registers
 0512 E8870IO Hub Interface Port 2 registers
 0513 E8870IO Hub Interface Port 3 registers
 0514 E8870IO Hub Interface Port 4 registers
 0515 E8870IO General SIOH registers
 0516 E8870IO RAS registers
 0530 E8870SP Scalability Port 0 registers

0531 E8870SP Scalability Port 1 registers
 0532 E8870SP Scalability Port 2 registers
 0533 E8870SP Scalability Port 3 registers
 0534 E8870SP Scalability Port 4 registers
 0535 E8870SP Scalability Port 5 registers
 # (bi-interleave 0) and global registers that are neither per-port nor per-interleave
 0536 E8870SP Interleave registers 0 and 1
 # (bi-interleave 1)
 0537 E8870SP Interleave registers 2 and 3
 0600 RAID Controller
 8086 0136 SRCU31L
 8086 01af SRCZCR
 8086 01c1 ICP Vortex GDT8546RZ
 8086 01f7 SCR32
 # uninitialized SRCU32 RAID Controller
 061f 80303 I/O Processor
 0960
 80960RP [i960 RP Microprocessor/Bridge]
 0962 80960RM [i960RM Bridge]
 0964 80960RP [i960 RP Microprocessor/Bridge]
 1000 82542 Gigabit Ethernet Controller
 0e11 b0df NC6132 Gigabit Ethernet Adapter (1000-SX)
 0e11 b0e0 NC6133 Gigabit Ethernet Adapter (1000-LX)
 0e11 b123 NC6134 Gigabit Ethernet Adapter (1000-LX)
 1014 0119 Netfinity Gigabit Ethernet SX Adapter
 8086 1000 PRO/1000 Gigabit Server Adapter
 1001 82543GC Gigabit Ethernet Controller (Fiber)
 0e11 004a NC6136 Gigabit Server Adapter
 1014 01ea Netfinity Gigabit Ethernet SX Adapter
 8086 1002 PRO/1000 F Server Adapter
 8086 1003 PRO/1000 F Server Adapter
 1002 Pro 100 LAN+Modem 56 Cardbus II
 8086 200e Pro 100 LAN+Modem 56 Cardbus II
 8086 2013 Pro 100 SR Mobile Combo Adapter
 8086 2017 Pro 100 S Combo Mobile Adapter
 1004 82543GC Gigabit Ethernet Controller (Copper)
 0e11 0049 NC7132 Gigabit Upgrade Module
 0e11 b1a4 NC7131 Gigabit Server Adapter
 1014 10f2 Gigabit Ethernet Server
 Adapter
 8086 1004 PRO/1000 T Server Adapter
 8086 2004 PRO/1000 T Server Adapter
 1008 82544EI Gigabit Ethernet Controller (Copper)
 1014 0269 iSeries 1000/100/10 Ethernet Adapter
 1028 011b PowerEdge 2550
 1028 011c PRO/1000 XT Network Connection
 8086 1107 PRO/1000 XT Server Adapter
 8086 2107 PRO/1000 XT Server Adapter

8086 2110 PRO/1000 XT Desktop Adapter
 8086 3108 PRO/1000 XT Network Connection
 1009 82544EI Gigabit Ethernet Controller (Fiber)
 1014 0268 iSeries Gigabit Ethernet Adapter
 8086 1109 PRO/1000 XF Server Adapter
 8086 2109 PRO/1000 XF Server Adapter
 100a 82540EM Gigabit Ethernet Controller
 100c 82544GC Gigabit Ethernet Controller (Copper)
 8086 1112 PRO/1000 T Desktop Adapter
 8086 2112 PRO/1000 T Desktop Adapter
 100d 82544GC Gigabit Ethernet Controller (LOM)
 1028 0123 PRO/1000 XT Network Connection
 1079 891f 82544GC Based Network Connection
 4c53 1080 CT8 mainboard
 8086 110d 82544GC Based Network Connection
 100e 82540EM
 Gigabit Ethernet Controller
 1014 0265 PRO/1000 MT Network Connection
 1014 0267 PRO/1000 MT Network Connection
 1014 026a PRO/1000 MT Network Connection
 1028 002e Optiplex GX260
 1028 0134 PowerEdge 600SC
 1028 0151 PRO/1000 MT Network Connection
 107b 8920 PRO/1000 MT Desktop Adapter
 8086 001e PRO/1000 MT Desktop Adapter
 8086 002e PRO/1000 MT Desktop Adapter
 8086 1376 PRO/1000 GT Desktop Adapter
 8086 1476 PRO/1000 GT Desktop Adapter
 100f 82545EM Gigabit Ethernet Controller (Copper)
 1014 0269 iSeries 1000/100/10 Ethernet Adapter
 1014 028e PRO/1000 MT Network Connection
 8086 1000 PRO/1000 MT Network Connection
 8086 1001 PRO/1000 MT Server Adapter
 1010 82546EB Gigabit Ethernet Controller (Copper)
 0e11 00db NC7170 Gigabit Server Adapter
 1014 027c PRO/1000 MT Dual Port Network Adapter
 18fb 7872 RESlink-X
 1fc1 0026 Niagara 2260 Bypass Card
 4c53 1080 CT8 mainboard
 4c53 10a0 CA3/CR3 mainboard
 8086 1011 PRO/1000 MT Dual Port
 Server Adapter
 8086 1012 PRO/1000 MT Dual Port Server Adapter
 8086 101a PRO/1000 MT Dual Port Network Connection
 8086 3424 SE7501HG2 Mainboard
 1011 82545EM Gigabit Ethernet Controller (Fiber)
 1014 0268 iSeries Gigabit Ethernet Adapter
 8086 1002 PRO/1000 MF Server Adapter

8086 1003 PRO/1000 MF Server Adapter (LX)
 1012 82546EB Gigabit Ethernet Controller (Fiber)
 0e11 00dc NC6170 Gigabit Server Adapter
 8086 1012 PRO/1000 MF Dual Port Server Adapter
 1013 82541EI Gigabit Ethernet Controller
 8086 0013 PRO/1000 MT Network Connection
 8086 1013 PRO/1000 MT Network Connection
 8086 1113 PRO/1000 MT Desktop Adapter
 1014 82541ER Gigabit Ethernet Controller
 8086 0014 PRO/1000 MT Desktop Connection
 8086 1014 PRO/1000 MT Network Connection
 1015 82540EM Gigabit Ethernet Controller (LOM)
 8086 1015 PRO/1000 MT Mobile Connection
 1016 82540EP Gigabit Ethernet Controller (Mobile)
 1014 052c PRO/1000 MT Mobile Connection
 1179 0001 PRO/1000 MT Mobile
 Connection
 8086 1016 PRO/1000 MT Mobile Connection
 1017 82540EP Gigabit Ethernet Controller
 8086 1017 PRO/1000 MT Desktop Connection
 1018 82541EI Gigabit Ethernet Controller
 8086 1018 PRO/1000 MT Mobile Connection
 1019 82547EI Gigabit Ethernet Controller
 1458 1019 GA-8IPE1000 Pro2 motherboard (865PE)
 1458 e000 Intel Gigabit Ethernet (Kenai II)
 8086 1019 PRO/1000 CT Desktop Connection
 8086 301f D865PERL mainboard
 8086 302c Intel 82865G Mainboard (D865GBF)
 8086 3427 S875WP1-E mainboard
 101a 82547EI Gigabit Ethernet Controller (Mobile)
 8086 101a PRO/1000 CT Mobile Connection
 101d 82546EB Gigabit Ethernet Controller
 8086 1000 PRO/1000 MT Quad Port Server Adapter
 101e 82540EP Gigabit Ethernet Controller (Mobile)
 1014 0549 PRO/1000 MT Mobile Connection
 1179 0001 PRO/1000 MT Mobile Connection
 8086 101e PRO/1000 MT Mobile Connection
 1026 82545GM Gigabit Ethernet Controller
 1028 0169 Precision 470
 8086 1000 PRO/1000 MT Server Connection
 8086
 1001 PRO/1000 MT Server Adapter
 8086 1002 PRO/1000 MT Server Adapter
 8086 1003 PRO/1000 GT Server Adapter
 8086 1026 PRO/1000 MT Server Connection
 1027 82545GM Gigabit Ethernet Controller
 103c 3103 NC310F PCI-X Gigabit Server Adapter
 8086 1001 PRO/1000 MF Server Adapter(LX)

8086 1002 PRO/1000 MF Server Adapter(LX)
 8086 1003 PRO/1000 MF Server Adapter(LX)
 8086 1027 PRO/1000 MF Server Adapter
 1028 82545GM Gigabit Ethernet Controller
 8086 1028 PRO/1000 MB Server Connection
 1029 82559 Ethernet Controller
 1030 82559 InBusiness 10/100
 1031 82801CAM (ICH3) PRO/100 VE (LOM) Ethernet Controller
 1014 0209 ThinkPad A/T/X Series
 104d 80e7 Vaio PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 104d 813c Vaio PCG-GRV616G
 107b 5350 EtherExpress PRO/100 VE
 1179 0001 EtherExpress PRO/100 VE
 144d c000 EtherExpress PRO/100 VE
 144d c001 EtherExpress PRO/100 VE
 144d c003 EtherExpress PRO/100 VE
 144d c006 vpr Matrix 170B4
 1032 82801CAM
 (ICH3) PRO/100 VE Ethernet Controller
 1033 82801CAM (ICH3) PRO/100 VM (LOM) Ethernet Controller
 1034 82801CAM (ICH3) PRO/100 VM Ethernet Controller
 1035 82801CAM (ICH3)/82562EH (LOM) Ethernet Controller
 1036 82801CAM (ICH3) 82562EH Ethernet Controller
 1037 82801CAM (ICH3) Chipset Ethernet Controller
 1038 82801CAM (ICH3) PRO/100 VM (KM) Ethernet Controller
 0e11 0098 Evo N600c
 1039 82801DB PRO/100 VE (LOM) Ethernet Controller
 1014 0267 NetVista A30p
 103a 82801DB PRO/100 VE (CNR) Ethernet Controller
 103b 82801DB PRO/100 VM (LOM) Ethernet Controller
 103c 82801DB PRO/100 VM (CNR) Ethernet Controller
 103d 82801DB PRO/100 VE (MOB) Ethernet Controller
 1014 0522 Thinkpad R40 model 2681
 8086 103d 82562EZ 10/100 Ethernet Controller
 103e 82801DB PRO/100 VM (MOB) Ethernet Controller
 1040 536EP Data Fax Modem
 16be 1040 V.9X DSP Data Fax Modem
 1043 PRO/Wireless LAN 2100 3B Mini PCI Adapter
 103c 08b0 tc1100 tablet
 8086 2522 Samsung P30 integrated WLAN
 8086
 2527 MIM2000/Centrino
 8086 2581 Toshiba Satellite M10
 1048 PRO/10GbE LR Server Adapter
 8086 a01f PRO/10GbE LR Server Adapter
 8086 a11f PRO/10GbE LR Server Adapter
 1049 82566MM Gigabit Network Connection
 104a 82566DM Gigabit Network Connection

104b 82566DC Gigabit Network Connection
104c 82562V 10/100 Network Connection
104d 82566MC Gigabit Network Connection
1050 82562EZ 10/100 Ethernet Controller
1462 728c 865PE Neo2 (MS-6728)
1462 758c MS-6758 (875P Neo)
8086 3020 D865PERL mainboard
8086 302f Desktop Board D865GBF
8086 3427 S875WP1-E mainboard
1051 82801EB/ER (ICH5/ICH5R) integrated LAN Controller
1052 PRO/100 VM Network Connection
1053 PRO/100 VM Network Connection
1054 PRO/100 VE Network Connection
1055 PRO/100 VM Network Connection
1056 PRO/100 VE Network Connection
1057 PRO/100 VE Network Connection
1059 82551QM Ethernet Controller
105b 82546GB Gigabit Ethernet Controller (Copper)
105e 82571EB Gigabit Ethernet Controller
103c
7044 NC360T PCI Express Dual Port Gigabit Server Adapter
1775 1100 CR11/VR11 Single Board Computer
1775 6003 Telum GE-QT
8086 005e PRO/1000 PT Dual Port Server Connection
8086 105e PRO/1000 PT Dual Port Network Connection
8086 115e PRO/1000 PT Dual Port Server Adapter
8086 116e PRO/1000 PT Dual Port Server Adapter
8086 125e PRO/1000 PT Dual Port Server Adapter
8086 135e PRO/1000 PT Dual Port Server Adapter
105f 82571EB Gigabit Ethernet Controller
8086 115f PRO/1000 PF Dual Port Server Adapter
8086 116f PRO/1000 PF Dual Port Server Adapter
8086 125f PRO/1000 PF Dual Port Server Adapter
8086 135f PRO/1000 PF Dual Port Server Adapter
1060 82571EB Gigabit Ethernet Controller
8086 0060 PRO/1000 PB Dual Port Server Connection
8086 1060 PRO/1000 PB Dual Port Server Connection
1064 82562ET/EZ/GT/GZ - PRO/100 VE (LOM) Ethernet Controller
1043 80f8 P5GD1-VW Mainboard
1065 82562ET/EZ/GT/GZ - PRO/100 VE Ethernet Controller
1066
82562 EM/EX/GX - PRO/100 VM (LOM) Ethernet Controller
1067 82562 EM/EX/GX - PRO/100 VM Ethernet Controller
1068 82562ET/EZ/GT/GZ - PRO/100 VE (LOM) Ethernet Controller Mobile
1069 82562EM/EX/GX - PRO/100 VM (LOM) Ethernet Controller Mobile
106a 82562G - PRO/100 VE (LOM) Ethernet Controller
106b 82562G - PRO/100 VE Ethernet Controller Mobile
1075 82547GI Gigabit Ethernet Controller

1028 0165 PowerEdge 750
 8086 0075 PRO/1000 CT Network Connection
 8086 1075 PRO/1000 CT Network Connection
 1076 82541GI Gigabit Ethernet Controller
 1028 0165 PowerEdge 750
 1028 019a PowerEdge SC1425
 8086 0076 PRO/1000 MT Network Connection
 8086 1076 PRO/1000 MT Network Connection
 8086 1176 PRO/1000 MT Desktop Adapter
 8086 1276 PRO/1000 MT Network Adapter
 1077 82541GI Gigabit Ethernet Controller
 1179 0001 PRO/1000 MT Mobile Connection
 8086 0077 PRO/1000 MT Mobile Connection
 8086 1077 PRO/1000 MT Mobile Connection
 1078 82541ER Gigabit Ethernet Controller
 8086
 1078 82541ER-based Network Connection
 1079 82546GB Gigabit Ethernet Controller
 103c 12a6 Dual Port 1000Base-T [A9900A]
 103c 12cf Core Dual Port 1000Base-T [AB352A]
 1775 10d0 V5D Single Board Computer Gigabit Ethernet
 1775 ce90 CE9
 1fc1 0027 Niagara 2261 Failover NIC
 4c53 1090 Cx9 / Vx9 mainboard
 4c53 10b0 CL9 mainboard
 8086 0079 PRO/1000 MT Dual Port Network Connection
 8086 1079 PRO/1000 MT Dual Port Network Connection
 8086 1179 PRO/1000 MT Dual Port Server Adapter
 8086 117a PRO/1000 MT Dual Port Server Adapter
 107a 82546GB Gigabit Ethernet Controller
 103c 12a8 Dual Port 1000base-SX [A9899A]
 8086 107a PRO/1000 MF Dual Port Server Adapter
 8086 127a PRO/1000 MF Dual Port Server Adapter
 107b 82546GB Gigabit Ethernet Controller
 8086 007b PRO/1000 MB Dual Port Server Connection
 8086 107b PRO/1000 MB Dual Port Server Connection
 107c 82541PI Gigabit Ethernet Controller
 8086 1376 PRO/1000 GT Desktop Adapter
 8086 1476 PRO/1000 GT
 Desktop Adapter
 107d 82572EI Gigabit Ethernet Controller (Copper)
 8086 1082 PRO/1000 PT Server Adapter
 8086 1092 PRO/1000 PT Server Adapter
 107e 82572EI Gigabit Ethernet Controller (Fiber)
 8086 1084 PRO/1000 PF Server Adapter
 8086 1094 PRO/1000 PF Server Adapter
 107f 82572EI Gigabit Ethernet Controller
 1080 FA82537EP 56K V.92 Data/Fax Modem PCI

1081 631xESB/632xESB LAN Controller Copper
 1082 631xESB/632xESB LAN Controller fiber
 1083 631xESB/632xESB LAN Controller SERDES
 1084 631xESB/632xESB IDE Redirection
 1085 631xESB/632xESB Serial Port Redirection
 1086 631xESB/632xESB IPMI/KCS0
 1087 631xESB/632xESB UHCI Redirection
 1089 631xESB/632xESB BT
 108a 82546GB Gigabit Ethernet Controller
 8086 108a PRO/1000 P Dual Port Server Adapter
 8086 118a PRO/1000 P Dual Port Server Adapter
 108b 82573V Gigabit Ethernet Controller (Copper)
 108c 82573E Gigabit Ethernet Controller (Copper)
 108e 82573E KCS (Active Management)
 108f Active Management Technology
 - SOL
 1091 PRO/100 VM Network Connection
 1092 PRO/100 VE Network Connection
 1093 PRO/100 VM Network Connection
 1094 PRO/100 VE Network Connection
 1095 PRO/100 VE Network Connection
 1096 80003ES2LAN Gigabit Ethernet Controller (Copper)
 1097 631xESB/632xESB DPT LAN Controller (Fiber)
 1098 80003ES2LAN Gigabit Ethernet Controller (Serdes)
 1099 82546GB Gigabit Ethernet Controller (Copper)
 8086 1099 PRO/1000 GT Quad Port Server Adapter
 109a 82573L Gigabit Ethernet Controller
 1179 ff10 PRO/1000 PL
 17aa 2001 ThinkPad T60
 17aa 207e Thinkpad X60s
 8086 109a PRO/1000 PL Network Connection
 109b 82546GB PRO/1000 GF Quad Port Server Adapter
 109e 82597EX 10GbE Ethernet Controller
 8086 a01f PRO/10GbE CX4 Server Adapter
 8086 a11f PRO/10GbE CX4 Server Adapter
 10a0 82571EB PRO/1000 AT Quad Port Bypass Adapter
 10a1 82571EB PRO/1000 AF Quad Port Bypass Adapter
 10a4 82571EB Gigabit Ethernet Controller
 8086 10a4 PRO/1000 PT Quad Port Server Adapter
 8086
 11a4 PRO/1000 PT Quad Port Server Adapter
 10a5 82571EB PRO/1000 PF Quad Port Server Adapter
 10b0 82573L PRO/1000 PL Network Connection
 10b2 82573V PRO/1000 PM Network Connection
 10b3 82573E PRO/1000 PM Network Connection
 10b4 82573L PRO/1000 PL Network Connection
 10b5 82546GB Gigabit Ethernet Controller (Copper)
 103c 3109 NC340T PCI-X Quad-port Gigabit Server Adapter

8086 1099 PRO/1000 GT Quad Port Server Adapter
8086 1199 PRO/1000 GT Quad Port Server Adapter
10b9 82572EI Gigabit Ethernet Controller (Copper)
8086 1083 PRO/1000 PT Desktop Adapter
8086 1093 PRO/1000 PT Desktop Adapter
10ba 80003ES2LAN Gigabit Ethernet Controller (Copper)
10bb 80003ES2LAN Gigabit Ethernet Controller (Serdes)
10bc 82571EB Gigabit Ethernet Controller (Copper)
8086 10bc PRO/1000 PT Quad Port LP Server Adapter
8086 11bc PRO/1000 PT Quad Port LP Server Adapter
10bd 82566DM-2 Gigabit Network Connection
10c0 82562V-2 10/100 Network Connection
10c2 82562G-2 10/100
Network Connection
10c3 82562GT-2 10/100 Network Connection
10c4 82562GT 10/100 Network Connection
10c5 82562G 10/100 Network Connection
1107 PRO/1000 MF Server Adapter (LX)
1130 82815 815 Chipset Host Bridge and Memory Controller Hub
1025 1016 Travelmate 612 TX
1043 8027 TUSL2-C Mainboard
104d 80df Vaio PCG-FX403
8086 4532 D815EEA2 mainboard
8086 4557 D815EGEW Mainboard
1131 82815 815 Chipset AGP Bridge
1132 82815 CGC [Chipset Graphics Controller]
1025 1016 Travelmate 612 TX
104d 80df Vaio PCG-FX403
8086 4532 D815EEA2 Mainboard
8086 4541 D815EEA Motherboard
8086 4557 D815EGEW Mainboard
1161 82806AA PCI64 Hub Advanced Programmable Interrupt Controller
8086 1161 82806AA PCI64 Hub APIC
1162 Xscale 80200 Big Endian Companion Chip
1200 IXP1200 Network Processor
172a 0000 AEP SSL Accelerator
1209 8255xER/82551IT Fast Ethernet Controller
4c53 1050 CT7 mainboard
4c53 1051 CE7 mainboard
4c53 1070 PC6 mainboard
1221 82092AA
PCI to PCMCIA Bridge
1222 82092AA IDE Controller
1223 SAA7116
1225 82452KX/GX [Orion]
1226 82596 PRO/10 PCI
1227 82865 EtherExpress PRO/100A
1228 82556 EtherExpress PRO/100 Smart

the revision field differentiates between them (1-3 is 82557, 4-5 is 82558, 6-8 is 82559, 9 is 82559ER)

1229 82557/8/9 [Ethernet Pro 100]

0e11 3001 82559 Fast Ethernet LOM with Alert on LAN*

0e11 3002 82559 Fast Ethernet LOM with Alert on LAN*

0e11 3003 82559 Fast Ethernet LOM with Alert on LAN*

0e11 3004 82559 Fast Ethernet LOM with Alert on LAN*

0e11 3005 82559 Fast Ethernet LOM with Alert on LAN*

0e11 3006 82559 Fast Ethernet LOM with Alert on LAN*

0e11 3007 82559 Fast Ethernet LOM with Alert on LAN*

0e11 b01e NC3120 Fast Ethernet NIC

0e11 b01f NC3122 Fast Ethernet NIC (dual port)

0e11 b02f NC1120 Ethernet NIC

0e11 b04a Netelligent 10/100TX NIC with Wake on LAN

0e11 b0c6 NC3161 Fast Ethernet NIC (embedded, WOL)

0e11 b0c7 NC3160 Fast Ethernet NIC (embedded)

0e11

b0d7 NC3121 Fast Ethernet NIC (WOL)

0e11 b0dd NC3131 Fast Ethernet NIC (dual port)

0e11 b0de NC3132 Fast Ethernet Module (dual port)

0e11 b0e1 NC3133 Fast Ethernet Module (100-FX)

0e11 b134 NC3163 Fast Ethernet NIC (embedded, WOL)

0e11 b13c NC3162 Fast Ethernet NIC (embedded)

0e11 b144 NC3123 Fast Ethernet NIC (WOL)

0e11 b163 NC3134 Fast Ethernet NIC (dual port)

0e11 b164 NC3135 Fast Ethernet Upgrade Module (dual port)

0e11 b1a4 NC7131 Gigabit Server Adapter

1014 005c 82558B Ethernet Pro 10/100

1014 01bc 82559 Fast Ethernet LAN On Motherboard

1014 01f1 10/100 Ethernet Server Adapter

1014 01f2 10/100 Ethernet Server Adapter

1014 0207 Ethernet Pro/100 S

1014 0232 10/100 Dual Port Server Adapter

1014 023a ThinkPad R30

1014 105c Netfinity 10/100

1014 2205 ThinkPad A22p

1014 305c 10/100 EtherJet Management Adapter

1014 405c 10/100 EtherJet Adapter with Alert on LAN

1014 505c 10/100 EtherJet Secure Management Adapter

1014

605c 10/100 EtherJet Secure Management Adapter

1014 705c 10/100 Netfinity 10/100 Ethernet Security Adapter

1014 805c 10/100 Netfinity 10/100 Ethernet Security Adapter

1028 009b PowerEdge 2500/2550

1028 00ce PowerEdge 1400

1033 8000 PC-9821X-B06

1033 8016 PK-UG-X006

1033 801f PK-UG-X006

1033 8026 PK-UG-X006

1033 8063 82559-based Fast Ethernet Adapter
 1033 8064 82559-based Fast Ethernet Adapter
 103c 10c0 NetServer 10/100TX
 103c 10c3 NetServer 10/100TX
 103c 10ca NetServer 10/100TX
 103c 10cb NetServer 10/100TX
 103c 10e3 NetServer 10/100TX
 103c 10e4 NetServer 10/100TX
 103c 1200 NetServer 10/100TX
 108e 10cf EtherExpress PRO/100(B)
 10c3 1100 SmartEther100 SC1100
 10cf 1115 8255x-based Ethernet Adapter (10/100)
 10cf 1143 8255x-based Ethernet Adapter (10/100)
 110a 008b 82551QM Fast Ethernet Multifunction PCI/CardBus Controller
 1179 0001 8255x-based Ethernet Adapter (10/100)
 1179 0002 PCI FastEther LAN on Docker
 1179
 0003 8255x-based Fast Ethernet
 1259 2560 AT-2560 100
 1259 2561 AT-2560 100 FX Ethernet Adapter
 1266 0001 NE10/100 Adapter
 13e9 1000 6221L-4U
 144d 2501 SEM-2000 MiniPCI LAN Adapter
 144d 2502 SEM-2100IL MiniPCI LAN Adapter
 1668 1100 EtherExpress PRO/100B (TX) (MiniPCI Ethernet+Modem)
 1775 1100 CR11/VR11 Single Board Computer
 1775 ce90 CE9
 4c53 1080 CT8 mainboard
 4c53 10e0 PSL09 PrPMC
 8086 0001 EtherExpress PRO/100B (TX)
 8086 0002 EtherExpress PRO/100B (T4)
 8086 0003 EtherExpress PRO/10+
 8086 0004 EtherExpress PRO/100 WfM
 8086 0005 82557 10/100
 8086 0006 82557 10/100 with Wake on LAN
 8086 0007 82558 10/100 Adapter
 8086 0008 82558 10/100 with Wake on LAN
 8086 0009 82558B PRO/100+ PCI (TP)
 8086 000a EtherExpress PRO/100+ Management Adapter
 8086 000b EtherExpress PRO/100+
 8086 000c EtherExpress PRO/100+ Management Adapter
 8086 000d EtherExpress PRO/100+ Alert On LAN II* Adapter
 8086 000e EtherExpress PRO/100+ Management
 Adapter with Alert On LAN*
 8086 000f EtherExpress PRO/100 Desktop Adapter
 8086 0010 EtherExpress PRO/100 S Management Adapter
 8086 0011 EtherExpress PRO/100 S Management Adapter
 8086 0012 EtherExpress PRO/100 S Advanced Management Adapter (D)

8086 0013 EtherExpress PRO/100 S Advanced Management Adapter (E)
 8086 0030 EtherExpress PRO/100 Management Adapter with Alert On LAN* GC
 8086 0031 EtherExpress PRO/100 Desktop Adapter
 8086 0040 EtherExpress PRO/100 S Desktop Adapter
 8086 0041 EtherExpress PRO/100 S Desktop Adapter
 8086 0042 EtherExpress PRO/100 Desktop Adapter
 8086 0050 EtherExpress PRO/100 S Desktop Adapter
 8086 1009 EtherExpress PRO/100+ Server Adapter
 8086 100c EtherExpress PRO/100+ Server Adapter (PILA8470B)
 8086 1012 EtherExpress PRO/100 S Server Adapter (D)
 8086 1013 EtherExpress PRO/100 S Server Adapter (E)
 8086 1015 EtherExpress PRO/100 S Dual Port Server Adapter
 8086 1017 EtherExpress PRO/100+ Dual Port Server Adapter
 8086
 1030 EtherExpress PRO/100+ Management Adapter with Alert On LAN* G Server
 8086 1040 EtherExpress PRO/100 S Server Adapter
 8086 1041 EtherExpress PRO/100 S Server Adapter
 8086 1042 EtherExpress PRO/100 Server Adapter
 8086 1050 EtherExpress PRO/100 S Server Adapter
 8086 1051 EtherExpress PRO/100 Server Adapter
 8086 1052 EtherExpress PRO/100 Server Adapter
 8086 10f0 EtherExpress PRO/100+ Dual Port Adapter
 8086 2009 EtherExpress PRO/100 S Mobile Adapter
 8086 200d EtherExpress PRO/100 Cardbus
 8086 200e EtherExpress PRO/100 LAN+V90 Cardbus Modem
 8086 200f EtherExpress PRO/100 SR Mobile Adapter
 8086 2010 EtherExpress PRO/100 S Mobile Combo Adapter
 8086 2013 EtherExpress PRO/100 SR Mobile Combo Adapter
 8086 2016 EtherExpress PRO/100 S Mobile Adapter
 8086 2017 EtherExpress PRO/100 S Combo Mobile Adapter
 8086 2018 EtherExpress PRO/100 SR Mobile Adapter
 8086 2019 EtherExpress PRO/100 SR Combo Mobile Adapter
 8086 2101 EtherExpress
 PRO/100 P Mobile Adapter
 8086 2102 EtherExpress PRO/100 SP Mobile Adapter
 8086 2103 EtherExpress PRO/100 SP Mobile Adapter
 8086 2104 EtherExpress PRO/100 SP Mobile Adapter
 8086 2105 EtherExpress PRO/100 SP Mobile Adapter
 8086 2106 EtherExpress PRO/100 P Mobile Adapter
 8086 2107 EtherExpress PRO/100 Network Connection
 8086 2108 EtherExpress PRO/100 Network Connection
 8086 2200 EtherExpress PRO/100 P Mobile Combo Adapter
 8086 2201 EtherExpress PRO/100 P Mobile Combo Adapter
 8086 2202 EtherExpress PRO/100 SP Mobile Combo Adapter
 8086 2203 EtherExpress PRO/100+ MiniPCI
 8086 2204 EtherExpress PRO/100+ MiniPCI
 8086 2205 EtherExpress PRO/100 SP Mobile Combo Adapter
 8086 2206 EtherExpress PRO/100 SP Mobile Combo Adapter

8086 2207 EtherExpress PRO/100 SP Mobile Combo Adapter
 8086 2208 EtherExpress PRO/100 P Mobile Combo Adapter
 8086 2402 EtherExpress PRO/100+ MiniPCI
 8086 2407 EtherExpress PRO/100+ MiniPCI
 8086 2408 EtherExpress PRO/100+ MiniPCI
 8086 2409 EtherExpress PRO/100+ MiniPCI
 8086 240f EtherExpress PRO/100+ MiniPCI
 8086 2410 EtherExpress PRO/100+ MiniPCI
 8086 2411 EtherExpress PRO/100+ MiniPCI
 8086 2412 EtherExpress PRO/100+ MiniPCI
 8086 2413 EtherExpress PRO/100+ MiniPCI
 8086 3000 82559 Fast Ethernet LAN on Motherboard
 8086 3001 82559 Fast Ethernet LOM with Basic Alert on LAN*
 8086 3002 82559 Fast Ethernet LOM with Alert on LAN II*
 8086 3006 EtherExpress PRO/100 S Network Connection
 8086 3007 EtherExpress PRO/100 S Network Connection
 8086 3008 EtherExpress PRO/100 Network Connection
 8086 3010 EtherExpress PRO/100 S Network Connection
 8086 3011 EtherExpress PRO/100 S Network Connection
 8086 3012 EtherExpress PRO/100 Network Connection
 8086 301a S845WD1-E mainboard
 8086 3411 SDS2 Mainboard
 122d 430FX - 82437FX TSC [Triton I]
 122e 82371FB PIIX ISA [Triton I]
 1230 82371FB PIIX IDE [Triton I]
 1231 DSVD Modem
 1234 430MX - 82371MX Mobile PCI I/O IDE Xcelerator (MPIIX)
 1235 430MX - 82437MX Mob. System Ctrlr (MTSC) & 82438MX Data Path (MTDP)
 1237 440FX - 82441FX PMC [Natoma]
 1239 82371FB PIIX IDE Interface
 123b 82380PB PCI to PCI Docking Bridge
 123c 82380AB (MISA) Mobile PCI-to-ISA Bridge
 123d 683053 Programmable Interrupt Device
 123e 82466GX (IHPC) Integrated Hot-Plug Controller (hidden mode)
 123f 82466GX Integrated Hot-Plug Controller (IHPC)
 1240 82752 (752) AGP Graphics Accelerator
 124b 82380FB (MPCI2) Mobile Docking Controller
 1250 430HX - 82439HX TXC [Triton II]
 1360 82806AA PCI64 Hub PCI Bridge
 1361 82806AA PCI64 Hub Controller (HRes)
 8086 1361 82806AA PCI64 Hub Controller (HRes)
 8086 8000 82806AA PCI64 Hub Controller (HRes)
 1460 82870P2 P64H2 Hub PCI Bridge
 1461 82870P2 P64H2 I/OxAPIC
 15d9 3480 P4DP6
 4c53 1090 Cx9/Vx9 mainboard

1462 82870P2 P64H2 Hot Plug Controller
 1960 80960RP [i960RP Microprocessor]
 101e 0431 MegaRAID 431 RAID Controller
 101e 0438 MegaRAID 438 Ultra2 LVD RAID Controller
 101e
 0466 MegaRAID 466 Express Plus RAID Controller
 101e 0467 MegaRAID 467 Enterprise 1500 RAID Controller
 101e 0490 MegaRAID 490 Express 300 RAID Controller
 101e 0762 MegaRAID 762 Express RAID Controller
 101e 09a0 PowerEdge Expandable RAID Controller 2/SC
 1028 0467 PowerEdge Expandable RAID Controller 2/DC
 1028 1111 PowerEdge Expandable RAID Controller 2/SC
 103c 03a2 MegaRAID
 103c 10c6 MegaRAID 438, NetRAID-3Si
 103c 10c7 MegaRAID T5, Integrated NetRAID
 103c 10cc MegaRAID, Integrated NetRAID
 103c 10cd NetRAID-1Si
 105a 0000 SuperTrak
 105a 2168 SuperTrak Pro
 105a 5168 SuperTrak66/100
 1111 1111 MegaRAID 466, PowerEdge Expandable RAID Controller 2/SC
 1111 1112 PowerEdge Expandable RAID Controller 2/SC
 113c 03a2 MegaRAID
 e4bf 1010 CG1-RADIO
 e4bf 1020 CU2-QUARTET
 e4bf 1040 CU1-CHORUS
 e4bf 3100 CX1-BAND
 1962 80960RM [i960RM Microprocessor]
 105a 0000 SuperTrak SX6000 I2O CPU
 1a21 82840 840 (Carmel) Chipset Host
 Bridge (Hub A)
 1a23 82840 840 (Carmel) Chipset AGP Bridge
 1a24 82840 840 (Carmel) Chipset PCI Bridge (Hub B)
 1a30 82845 845 (Brookdale) Chipset Host Bridge
 1028 010e Optiplex GX240
 1a31 82845 845 (Brookdale) Chipset AGP Bridge
 1a38 5000 Series Chipset DMA Engine
 1a48 PRO/10GbE SR Server Adapter
 1b48 82597EX 10GbE Ethernet Controller
 8086 a01f PRO/10GbE LR Server Adapter
 8086 a11f PRO/10GbE LR Server Adapter
 2410 82801AA ISA Bridge (LPC)
 2411 82801AA IDE Controller
 2412 82801AA USB Controller
 2413 82801AA SMBus Controller
 2415 82801AA AC'97 Audio Controller
 1028 0095 Precision Workstation 220 Integrated Digital Audio
 1028 00b4 OptiPlex GX110

110a 0051 Activy 2xx
 11d4 0040 SoundMAX Integrated Digital Audio
 11d4 0048 SoundMAX Integrated Digital Audio
 11d4 5340 SoundMAX Integrated Digital Audio
 1734 1025 Activy 3xx
 2416 82801AA AC'97 Modem Controller
 2418 82801AA PCI Bridge
 2420 82801AB ISA Bridge (LPC)
 2421 82801AB IDE Controller
 2422
 82801AB USB Controller
 2423 82801AB SMBus Controller
 2425 82801AB AC'97 Audio Controller
 11d4 0040 SoundMAX Integrated Digital Audio
 11d4 0048 SoundMAX Integrated Digital Audio
 2426 82801AB AC'97 Modem Controller
 2428 82801AB PCI Bridge
 2440 82801BA ISA Bridge (LPC)
 8086 5744 S845WD1-E
 2442 82801BA/BAM USB Controller #1
 1014 01c6 Netvista A40/A40p
 1025 1016 Travelmate 612 TX
 1028 00c7 Dimension 8100
 1028 010e Optiplex GX240
 1043 8027 TUSL2-C Mainboard
 104d 80df Vaio PCG-FX403
 147b 0507 TH7II-RAID
 8086 4532 D815EEA2 mainboard
 8086 4557 D815EGEW Mainboard
 8086 5744 S845WD1-E mainboard
 2443 82801BA/BAM SMBus Controller
 1014 01c6 Netvista A40/A40p
 1025 1016 Travelmate 612 TX
 1028 00c7 Dimension 8100
 1028 010e Optiplex GX240
 1043 8027 TUSL2-C Mainboard
 104d 80df Vaio PCG-FX403
 147b 0507 TH7II-RAID
 8086 4532 D815EEA2 mainboard
 8086 4557 D815EGEW Mainboard
 8086 5744 S845WD1-E mainboard
 2444 82801BA/BAM
 USB Controller #1
 1025 1016 Travelmate 612 TX
 1028 00c7 Dimension 8100
 1028 010e Optiplex GX240
 1043 8027 TUSL2-C Mainboard
 104d 80df Vaio PCG-FX403

147b 0507 TH7II-RAID
 8086 4532 D815EEA2 mainboard
 8086 5744 S845WD1-E mainboard
 2445 82801BA/BAM AC'97 Audio Controller
 0e11 000b Compaq Deskpro EN Audio
 0e11 0088 Evo D500
 1014 01c6 Netvista A40/A40p
 1025 1016 Travelmate 612 TX
 104d 80df Vaio PCG-FX403
 1462 3370 STAC9721 AC
 147b 0507 TH7II-RAID
 8086 4557 D815EGEW Mainboard
 2446 82801BA/BAM AC'97 Modem Controller
 1025 1016 Travelmate 612 TX
 104d 80df Vaio PCG-FX403
 2448 82801 Mobile PCI Bridge
 103c 099c NX6110/NC6120
 144d c00c P30 notebook
 1734 1055 Amilo M1420
 2449 82801BA/BAM/CA/CAM Ethernet Controller
 0e11 0012 EtherExpress PRO/100 VM
 0e11 0091 EtherExpress PRO/100 VE
 1014 01ce EtherExpress PRO/100 VE
 1014 01dc EtherExpress PRO/100 VE
 1014 01eb EtherExpress PRO/100 VE
 1014 01ec EtherExpress PRO/100
 VE
 1014 0202 EtherExpress PRO/100 VE
 1014 0205 EtherExpress PRO/100 VE
 1014 0217 EtherExpress PRO/100 VE
 1014 0234 EtherExpress PRO/100 VE
 1014 023d EtherExpress PRO/100 VE
 1014 0244 EtherExpress PRO/100 VE
 1014 0245 EtherExpress PRO/100 VE
 1014 0265 PRO/100 VE Desktop Connection
 1014 0267 PRO/100 VE Desktop Connection
 1014 026a PRO/100 VE Desktop Connection
 109f 315d EtherExpress PRO/100 VE
 109f 3181 EtherExpress PRO/100 VE
 1179 ff01 PRO/100 VE Network Connection
 1186 7801 EtherExpress PRO/100 VE
 144d 2602 HomePNA 1M CNR
 8086 3010 EtherExpress PRO/100 VE
 8086 3011 EtherExpress PRO/100 VM
 8086 3012 82562EH based Phoneline
 8086 3013 EtherExpress PRO/100 VE
 8086 3014 EtherExpress PRO/100 VM
 8086 3015 82562EH based Phoneline

8086 3016 EtherExpress PRO/100 P Mobile Combo
 8086 3017 EtherExpress PRO/100 P Mobile
 8086 3018 EtherExpress PRO/100
 244a 82801BAM IDE U100 Controller
 1025 1016 Travelmate 612TX
 104d 80df
 Vaio PCG-FX403
 244b 82801BA IDE U100 Controller
 1014 01c6 Netvista A40/A40p
 1028 00c7 Dimension 8100
 1028 010e Optiplex GX240
 1043 8027 TUSL2-C Mainboard
 147b 0507 TH7II-RAID
 8086 4532 D815EEA2 mainboard
 8086 4557 D815EGEW Mainboard
 8086 5744 S845WD1-E mainboard
 244c 82801BAM ISA Bridge (LPC)
 244e 82801 PCI Bridge
 1014 0267 NetVista A30p
 2450 82801E ISA Bridge (LPC)
 2452 82801E USB Controller
 2453 82801E SMBus Controller
 2459 82801E Ethernet Controller 0
 245b 82801E IDE U100 Controller
 245d 82801E Ethernet Controller 1
 245e 82801E PCI Bridge
 2480 82801CA LPC Interface Controller
 2482 82801CA/CAM USB Controller #1
 0e11 0030 Evo N600c
 1014 0220 ThinkPad A/T/X Series
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 15d9 3480 P4DP6
 8086 1958 vpr Matrix 170B4
 8086 3424 SE7501HG2 Mainboard
 8086 4541 Latitude C640
 2483 82801CA/CAM SMBus Controller
 1014 0220 ThinkPad A/T/X Series
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 15d9
 3480 P4DP6
 8086 1958 vpr Matrix 170B4
 2484 82801CA/CAM USB Controller #2
 0e11 0030 Evo N600c
 1014 0220 ThinkPad A/T/X Series
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 15d9 3480 P4DP6
 8086 1958 vpr Matrix 170B4
 2485 82801CA/CAM AC'97 Audio Controller

1013 5959 Crystal WMD Audio Codec
 1014 0222 ThinkPad T23 (2647-4MG) or A30/A30p (2652/2653)
 1014 0508 ThinkPad T30
 1014 051c ThinkPad A/T/X Series
 1043 1583 L3C (SPDIF)
 1043 1623 L2B (no SPDIF)
 1043 1643 L3F
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 144d c006 vpr Matrix 170B4
 2486 82801CA/CAM AC'97 Modem Controller
 1014 0223 ThinkPad A/T/X Series
 1014 0503 ThinkPad R31 2656BBG
 1014 051a ThinkPad A/T/X Series
 101f 1025 620 Series
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 134d 4c21 Dell Inspiron 2100 internal modem
 144d 2115 vpr Matrix 170B4 internal modem
 14f1 5421 MD56ORD
 V.92 MDC Modem
 2487 82801CA/CAM USB Controller #3
 0e11 0030 Evo N600c
 1014 0220 ThinkPad A/T/X Series
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 15d9 3480 P4DP6
 8086 1958 vpr Matrix 170B4
 248a 82801CAM IDE U100 Controller
 0e11 0030 Evo N600c
 1014 0220 ThinkPad A/T/X Series
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 8086 1958 vpr Matrix 170B4
 8086 4541 Latitude C640
 248b 82801CA Ultra ATA Storage Controller
 15d9 3480 P4DP6
 248c 82801CAM ISA Bridge (LPC)
 24c0 82801DB/DBL (ICH4/ICH4-L) LPC Interface Bridge
 1014 0267 NetVista A30p
 1462 5800 845PE Max (MS-6580)
 24c1 82801DBL (ICH4-L) IDE Controller
 24c2 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) USB UHCI Controller #1
 1014 0267 NetVista A30p
 1014 052d Thinkpad R50e model 1634
 1025 005a TravelMate 290
 1028 0126 Optiplex GX260
 1028 0163 Latitude D505
 1028 0196 Inspiron 5160
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop
 103c 08b0 tc1100

tablet

1071 8160 MIM2000

144d c00c P30/P35 notebook

1462 5800 845PE Max (MS-6580)

1509 2990 Averatec 5110H laptop

1734 1004 D1451 Mainboard (SCENIC N300, i845GV)

1734 1055 Amilo M1420

4c53 1090 Cx9 / Vx9 mainboard

8086 24c2 Latitude X300

8086 4541 Latitude D400

e4bf 0cc9 CC9-SAMBA

e4bf 0cd2 CD2-BEBOP

24c3 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) SMBus Controller

1014 0267 NetVista A30p

1014 052d Thinkpad R50e model 1634

1025 005a TravelMate 290

1028 0126 Optiplex GX260

1028 014f Latitude X300

103c 088c NC8000 laptop

103c 0890 NC6000 laptop

103c 08b0 tc1100 tablet

1071 8160 MIM2000

144d c00c P30/P35 notebook

1458 24c2 GA-8PE667 Ultra

1462 5800 845PE Max (MS-6580)

1734 1004 D1451 Mainboard (SCENIC N300, i845GV)

1734 1055 Amilo M1420

4c53 1090 Cx9 / Vx9 mainboard

e4bf 0cc9 CC9-SAMBA

e4bf 0cd2 CD2-BEBOP

24c4 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) USB UHCI Controller #2

1014 0267 NetVista A30p

1014 052d

Thinkpad R50e model 1634

1025 005a TravelMate 290

1028 0126 Optiplex GX260

1028 0163 Latitude D505

1028 0196 Inspiron 5160

103c 088c NC8000 laptop

103c 0890 NC6000 laptop

103c 08b0 tc1100 tablet

1071 8160 MIM2000

144d c00c P30/P35 notebook

1462 5800 845PE Max (MS-6580)

1509 2990 Averatec 5110H

1734 1004 D1451 Mainboard (SCENIC N300, i845GV)

4c53 1090 Cx9 / Vx9 mainboard

8086 24c2 Latitude X300

8086 4541 Latitude D400
 e4bf 0cc9 CC9-SAMBA
 e4bf 0cd2 CD2-BEBOP
 24c5 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) AC'97 Audio Controller
 0e11 00b8 Analog Devices Inc. codec [SoundMAX]
 1014 0267 NetVista A30p
 1014 0537 Thinkpad T41
 1014 055f Thinkpad R50e model 1634
 1025 005a TravelMate 290
 1028 0139 Latitude D400
 1028 014f Latitude X300
 1028 0163 Latitude D505
 1028 0196 Inspiron 5160
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop
 103c 08b0 tc1100 tablet
 1071 8160 MIM2000
 144d c00c P30/P35 notebook
 1458 a002
 GA-8PE667 Ultra
 1462 5800 845PE Max (MS-6580)
 1734 1005 D1451 (SCENIC N300, i845GV) Sigmatel STAC9750T
 1734 1055 Amilo M1420
 8086 24c5 Dell Dimension 2400
 24c6 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) AC'97 Modem Controller
 1014 0524 Thinkpad T41
 1014 0559 Thinkpad R50e model 1634
 1025 003c Aspire 2001WLCi (Compal CL50 motherboard) implementation
 1025 005a TravelMate 290
 1028 0196 Inspiron 5160
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop
 103c 08b0 tc1100 tablet
 1071 8160 MIM2000
 144d c00c P30/P35 notebook
 24c7 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) USB UHCI Controller #3
 1014 0267 NetVista A30p
 1014 052d Thinkpad R50e model 1634
 1025 005a TravelMate 290
 1028 0126 Optiplex GX260
 1028 0163 Latitude D505
 1028 0196 Inspiron 5160
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop
 103c 08b0 tc1100 tablet
 1071 8160 MIM2000
 144d c00c P30/P35 notebook
 1462 5800 845PE Max (MS-6580)

1509 2990 Averatec 5110H
 1734 1004
 D1451 Mainboard (SCENIC N300, i845GV)
 4c53 1090 Cx9 / Vx9 mainboard
 8086 24c2 Latitude X300
 8086 4541 Latitude D400
 e4bf 0cc9 CC9-SAMBA
 e4bf 0cd2 CD2-BEBOP
 24ca 82801DBM (ICH4-M) IDE Controller
 1014 052d Thinkpad R50e model 1634
 1025 005a TravelMate 290
 1028 014f Latitude X300
 1028 0163 Latitude D505
 1028 0196 Inspiron 5160
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop
 103c 08b0 tc1100 tablet
 1071 8160 MIM2000
 144d c00c P30/P35 notebook
 1734 1055 Amilo M1420
 8086 4541 Latitude D400
 24cb 82801DB (ICH4) IDE Controller
 1014 0267 NetVista A30p
 1028 0126 Optiplex GX260
 1458 24c2 GA-8PE667 Ultra
 1462 5800 845PE Max (MS-6580)
 1734 1004 D1451 Mainboard (SCENIC N300, i845GV)
 4c53 1090 Cx9 / Vx9 mainboard
 e4bf 0cc9 CC9-SAMBA
 e4bf 0cd2 CD2-BEBOP
 24cc 82801DBM (ICH4-M) LPC Interface Bridge
 144d c00c P30 notebook
 1734 1055 Amilo M1420
 24cd 82801DB/DBM (ICH4/ICH4-M) USB2 EHCI Controller
 1014 0267 NetVista
 A30p
 1014 052e Thinkpad R50e model 1634
 1025 005a TravelMate 290
 1028 011d Latitude D600
 1028 0126 Optiplex GX260
 1028 0139 Latitude D400
 1028 0163 Latitude D505
 1028 0196 Inspiron 5160
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop
 103c 08b0 tc1100 tablet
 1071 8160 MIM2000
 1179 ff00 Satellite 2430

144d c00c P30/P35 notebook
1462 3981 845PE Max (MS-6580)
1509 1968 Averatec 5110H
1734 1004 D1451 Mainboard (SCENIC N300, i845GV)
1734 1055 Amilo M1420
4c53 1090 Cx9 / Vx9 mainboard
8086 24c2 Latitude X300
e4bf 0cc9 CC9-SAMBA
e4bf 0cd2 CD2-BEBOP
24d0 82801EB/ER (ICH5/ICH5R) LPC Interface Bridge
24d1 82801EB (ICH5) SATA Controller
1028 0169 Precision 470
1028 019a PowerEdge SC1425
103c 12bc d530 CMT (DG746A)
1043 80a6 P4P800 SE Mainboard
1458 24d1 GA-8IPE1000 Pro2 motherboard (865PE)
1462 7280 865PE Neo2 (MS-6728)
1565 5200 P4TSV Motherboard (865G)
15d9 4580 P4SCE Mainboard
8086 3427 S875WP1-E mainboard
8086
4246 Desktop Board D865GBF
8086 4c43 Desktop Board D865GLC
8086 524c D865PERL mainboard
24d2 82801EB/ER (ICH5/ICH5R) USB UHCI Controller #1
1014 02dd eServer xSeries server mainboard
1014 02ed eServer xSeries server mainboard
1028 0169 Precision 470
1028 0183 PowerEdge 1800
1028 019a PowerEdge SC1425
103c 006a NX9500
103c 12bc d530 CMT (DG746A)
1043 80a6 P5P800-MX Mainboard
1458 24d2 GA-8IPE1000/8KNXP motherboard
1462 7280 865PE Neo2 (MS-6728)
1565 3101 P4TSV Motherboard (865G)
15d9 4580 P4SCE Mainboard
1734 101c Primergy RX300 S2
8086 3427 S875WP1-E mainboard
8086 4246 Desktop Board D865GBF
8086 4c43 Desktop Board D865GLC
8086 524c D865PERL mainboard
24d3 82801EB/ER (ICH5/ICH5R) SMBus Controller
1014 02dd eServer xSeries server mainboard
1014 02ed eServer xSeries server mainboard
1028 0156 Precision 360
1028 0169 Precision 470
103c 12bc d330 uT

1043 80a6 P4P800 Mainboard
 1458 24d2 GA-8IPE1000
 Pro2 motherboard (865PE)
 1462 7280 865PE Neo2 (MS-6728)
 1565 3101 P4TSV Motherboard (865G)
 15d9 4580 P4SCE Mainboard
 1734 101c Primergy RX300 S2
 8086 3427 S875WP1-E mainboard
 8086 4246 Desktop Board D865GBF
 8086 4c43 Desktop Board D865GLC
 8086 524c D865PERL mainboard
 24d4 82801EB/ER (ICH5/ICH5R) USB UHCI Controller #2
 1014 02dd eServer xSeries server mainboard
 1014 02ed eServer xSeries server mainboard
 1028 0169 Precision 470
 1028 0183 PowerEdge 1800
 1028 019a PowerEdge SC1425
 103c 006a NX9500
 103c 12bc d530 CMT (DG746A)
 1043 80a6 P5P800-MX Mainboard
 1458 24d2 GA-8IPE1000 Pro2 motherboard (865PE)
 1462 7280 865PE Neo2 (MS-6728)
 1565 3101 P4TSV Motherboard (865G)
 15d9 4580 P4SCE Mainboard
 1734 101c Primergy RX300 S2
 8086 3427 S875WP1-E mainboard
 8086 4246 Desktop Board D865GBF
 8086 4c43 Desktop Board D865GLC
 8086 524c D865PERL mainboard
 24d5 82801EB/ER (ICH5/ICH5R) AC'97 Audio Controller
 100a 147b Abit
 IS7-E motherboard
 1028 0169 Precision 470
 103c 006a NX9500
 103c 12bc d330 uT
 1043 80f3 P4P800 Mainboard
 1043 810f P5P800-MX Mainboard
 1458 a002 GA-8IPE1000/8KNXP motherboard
 1462 0080 65PE Neo2-V (MS-6788) mainboard
 1462 7280 865PE Neo2 (MS-6728)
 8086 a000 D865PERL mainboard
 8086 e000 D865PERL mainboard
 8086 e001 Desktop Board D865GBF
 8086 e002 SoundMax Intergrated Digital Audio
 24d6 82801EB/ER (ICH5/ICH5R) AC'97 Modem Controller
 103c 006a NX9500
 24d7 82801EB/ER (ICH5/ICH5R) USB UHCI Controller #3
 1014 02ed xSeries server mainboard

1028 0169 Precision 470
 1028 0183 PowerEdge 1800
 103c 006a NX9500
 103c 12bc d530 CMT (DG746A)
 1043 80a6 P5P800-MX Mainboard
 1458 24d2 GA-8IPE1000 Pro2 motherboard (865PE)
 1462 7280 865PE Neo2 (MS-6728)
 1565 3101 P4TSV Motherboard (865G)
 15d9 4580 P4SCE Mainboard
 1734 101c Primergy RX300 S2
 8086 3427 S875WP1-E mainboard
 8086 4246 Desktop Board D865GBF
 8086 4c43 Desktop Board
 D865GLC
 8086 524c D865PERL mainboard
 24db 82801EB/ER (ICH5/ICH5R) IDE Controller
 1014 02dd eServer xSeries server mainboard
 1014 02ed eServer xSeries server mainboard
 1028 0169 Precision 470
 1028 019a PowerEdge SC1425
 103c 006a NX9500
 103c 12bc d530 CMT (DG746A)
 1043 80a6 P5P800-MX Mainboard
 1458 24d2 GA-8IPE1000 Pro2 motherboard (865PE)
 1462 7280 865PE Neo2 (MS-6728)
 1462 7580 MSI 875P
 1565 3101 P4TSV Motherboard (865G)
 15d9 4580 P4SCE Mainboard
 1734 101c Primergy RX300 S2
 8086 24db P4C800 Mainboard
 8086 3427 S875WP1-E mainboard
 8086 4246 Desktop Board D865GBF
 8086 4c43 Desktop Board D865GLC
 8086 524c D865PERL mainboard
 24dc 82801EB (ICH5) LPC Interface Bridge
 24dd 82801EB/ER (ICH5/ICH5R) USB2 EHCI Controller
 1014 02dd eServer xSeries server mainboard
 1014 02ed eServer xSeries server mainboard
 1028 0169 Precision 470
 1028 0183 PowerEdge 1800
 1028 019a PowerEdge SC1425
 103c 006a NX9500
 103c 12bc d530
 CMT (DG746A)
 1043 80a6 P5P800-MX Mainboard
 1458 5006 GA-8IPE1000 Pro2 motherboard (865PE)
 1462 7280 865PE Neo2 (MS-6728)
 8086 3427 S875WP1-E mainboard

8086 4246 Desktop Board D865GBF
8086 4c43 Desktop Board D865GLC
8086 524c D865PERL mainboard
24de 82801EB/ER (ICH5/ICH5R) USB UHCI Controller #4
1014 02ed xSeries server mainboard
1028 0169 Precision 470
1043 80a6 P5P800-MX Mainboard
1458 24d2 GA-8IPE1000 Pro2 motherboard (865PE)
1462 7280 865PE Neo2 (MS-6728)
1565 3101 P4TSV Motherboard (865G)
15d9 4580 P4SCE Mainboard
1734 101c Primergy RX300 S2
8086 3427 S875WP1-E mainboard
8086 4246 Desktop Board D865GBF
8086 4c43 Desktop Board D865GLC
8086 524c D865PERL mainboard
24df 82801ER (ICH5R) SATA Controller
2500 82820 820 (Camino) Chipset Host Bridge (MCH)
1028 0095 Precision Workstation 220 Chipset
1043 801c P3C-2000 system chipset
2501 82820 820 (Camino) Chipset Host Bridge (MCH)
1043 801c P3C-2000 system chipset
250b
82820 820 (Camino) Chipset Host Bridge
250f 82820 820 (Camino) Chipset AGP Bridge
2520 82805AA MTH Memory Translator Hub
2521 82804AA MRH-S Memory Repeater Hub for SDRAM
2530 82850 850 (Tehama) Chipset Host Bridge (MCH)
1028 00c7 Dimension 8100
147b 0507 TH7II-RAID
2531 82860 860 (Wombat) Chipset Host Bridge (MCH)
2532 82850 850 (Tehama) Chipset AGP Bridge
2533 82860 860 (Wombat) Chipset AGP Bridge
2534 82860 860 (Wombat) Chipset PCI Bridge
2540 E7500 Memory Controller Hub
15d9 3480 P4DP6
2541 E7500/E7501 Host RASUM Controller
15d9 3480 P4DP6
4c53 1090 Cx9 / Vx9 mainboard
8086 3424 SE7501HG2 Mainboard
2543 E7500/E7501 Hub Interface B PCI-to-PCI Bridge
2544 E7500/E7501 Hub Interface B RASUM Controller
4c53 1090 Cx9 / Vx9 mainboard
2545 E7500/E7501 Hub Interface C PCI-to-PCI Bridge
2546 E7500/E7501 Hub Interface C RASUM Controller
2547 E7500/E7501 Hub Interface D PCI-to-PCI Bridge
2548 E7500/E7501 Hub Interface D RASUM Controller
254c

E7501 Memory Controller Hub
 4c53 1090 Cx9 / Vx9 mainboard
 8086 3424 SE7501HG2 Mainboard
 2550 E7505 Memory Controller Hub
 2551 E7505/E7205 Series RAS Controller
 2552 E7505/E7205 PCI-to-AGP Bridge
 2553 E7505 Hub Interface B PCI-to-PCI Bridge
 2554 E7505 Hub Interface B PCI-to-PCI Bridge RAS Controller
 255d E7205 Memory Controller Hub
 2560 82845G/GL[Brookdale-G]/GE/PE DRAM Controller/Host-Hub Interface
 1028 0126 Optiplex GX260
 1458 2560 GA-8PE667 Ultra
 1462 5800 845PE Max (MS-6580)
 2561 82845G/GL[Brookdale-G]/GE/PE Host-to-AGP Bridge
 2562 82845G/GL[Brookdale-G]/GE Chipset Integrated Graphics Device
 0e11 00b9 Evo D510 SFF
 1014 0267 NetVista A30p
 1734 1004 D1451 Mainboard (SCENIC N300, i845GV)
 2570 82865G/PE/P DRAM Controller/Host-Hub Interface
 103c 006a NX9500
 103c 12bc d330 uT
 1043 80f2 P5P800-MX Mainboard
 1458 2570 GA-8IPE1000 Pro2 motherboard (865PE)
 2571 82865G/PE/P PCI to AGP Controller
 2572 82865G Integrated Graphics Controller
 1028
 019d Dimension 3000
 103c 12bc D530 sff(dc578av)
 1043 80a5 P5P800-MX Mainboard
 8086 4246 Desktop Board D865GBF
 8086 4c43 Desktop Board D865GLC
 2573 82865G/PE/P PCI to CSA Bridge
 2576 82865G/PE/P Processor to I/O Memory Interface
 2578 82875P/E7210 Memory Controller Hub
 1458 2578 GA-8KNXP motherboard (875P)
 1462 7580 MS-6758 (875P Neo)
 15d9 4580 P4SCE Motherboard
 2579 82875P Processor to AGP Controller
 257b 82875P/E7210 Processor to PCI to CSA Bridge
 257e 82875P/E7210 Processor to I/O Memory Interface
 2580 82915G/P/GV/GL/PL/910GL Memory Controller Hub
 1458 2580 GA-8I915ME-G Mainboard
 1462 7028 915P/G Neo2
 1734 105b Scenic W620
 2581 82915G/P/GV/GL/PL/910GL PCI Express Root Port
 2582 82915G/GV/910GL Integrated Graphics Controller
 1028 1079 Optiplex GX280
 103c 3006 DC7100 SFF(DX878AV)

1043 2582 P5GD1-VW Mainboard
 1458 2582 GA-8I915ME-G Mainboard
 1734 105b Scenic W620
 2584 82925X/XE Memory Controller Hub
 2585
 82925X/XE PCI Express Root Port
 2588 E7220/E7221 Memory Controller Hub
 2589 E7220/E7221 PCI Express Root Port
 258a E7221 Integrated Graphics Controller
 2590 Mobile 915GM/PM/GMS/910GML Express Processor to DRAM Controller
 1028 0182 Dell Latitude C610
 103c 099c NX6110/NC6120
 a304 81b7 Vaio VGN-S3XP
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 2591 Mobile 915GM/PM Express PCI Express Root Port
 2592 Mobile 915GM/GMS/910GML Express Graphics Controller
 103c 099c NX6110/NC6120
 103c 308a NC6220
 1043 1881 GMA 900 915GM Integrated Graphics
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 25a1 6300ESB LPC Interface Controller
 25a2 6300ESB PATA Storage Controller
 1775 10d0 V5D Single Board Computer IDE
 1775 1100 CR11/VR11 Single Board Computer
 1775 ce90 CE9
 4c53 10b0 CL9 mainboard
 4c53 10e0 PSL09 PrPMC
 25a3 6300ESB SATA Storage Controller
 1775 1100 CR11/VR11 Single Board Computer
 1775 ce90 CE9
 4c53 10b0
 CL9 mainboard
 4c53 10d0 Telum ASLP10 Processor AMC
 4c53 10e0 PSL09 PrPMC
 25a4 6300ESB SMBus Controller
 1775 10d0 V5D Single Board Computer
 1775 1100 CR11/VR11 Single Board Computer
 1775 ce90 CE9
 4c53 10b0 CL9 mainboard
 4c53 10d0 Telum ASLP10 Processor AMC
 4c53 10e0 PSL09 PrPMC
 25a6 6300ESB AC'97 Audio Controller
 1775 1100 CR11/VR11 Single Board Computer
 1775 ce90 CE9

4c53 10b0 CL9 mainboard
 25a7 6300ESB AC'97 Modem Controller
 25a9 6300ESB USB Universal Host Controller
 1775 10d0 V5D Single Board Computer USB
 1775 1100 CR11/VR11 Single Board Computer
 1775 ce90 CE9
 4c53 10b0 CL9 mainboard
 4c53 10d0 Telum ASLP10 Processor AMC
 4c53 10e0 PSL09 PrPMC
 25aa 6300ESB USB Universal Host Controller
 1775 1100 CR11/VR11 Single Board Computer
 1775 ce90 CE9
 4c53 10b0 CL9 mainboard
 4c53 10e0 PSL09 PrPMC
 25ab 6300ESB Watchdog Timer
 1775 10d0 V5D Single Board Computer
 1775 1100 CR11/VR11 Single Board Computer
 1775 ce90 CE9
 4c53
 10b0 CL9 mainboard
 4c53 10d0 Telum ASLP10 Processor AMC
 4c53 10e0 PSL09 PrPMC
 25ac 6300ESB I/O Advanced Programmable Interrupt Controller
 1775 10d0 V5D Single Board Computer
 1775 1100 CR11/VR11 Single Board Computer
 1775 ce90 CE9
 4c53 10b0 CL9 mainboard
 4c53 10d0 Telum ASLP10 Processor AMC
 4c53 10e0 PSL09 PrPMC
 25ad 6300ESB USB2 Enhanced Host Controller
 1775 10d0 V5D Single Board Computer USB 2.0
 1775 1100 CR11/VR11 Single Board Computer
 1775 ce90 CE9
 4c53 10b0 CL9 mainboard
 4c53 10d0 Telum ASLP10 Processor AMC
 4c53 10e0 PSL09 PrPMC
 25ae 6300ESB 64-bit PCI-X Bridge
 25b0 6300ESB SATA RAID Controller
 1775 1100 CR11/VR11 Single Board Computer
 4c53 10d0 Telum ASLP10 Processor AMC
 4c53 10e0 PSL09 PrPMC
 25c0 5000X Chipset Memory Controller Hub
 25d0 5000Z Chipset Memory Controller Hub
 25d4 5000V Chipset Memory Controller Hub
 25d8 5000P Chipset Memory Controller Hub
 25e2 5000 Series Chipset PCI Express x4 Port 2
 25e3

5000 Series Chipset PCI Express x4 Port 3
 25e4 5000 Series Chipset PCI Express x4 Port 4
 25e5 5000 Series Chipset PCI Express x4 Port 5
 25e6 5000 Series Chipset PCI Express x4 Port 6
 25e7 5000 Series Chipset PCI Express x4 Port 7
 25f0 5000 Series Chipset FSB Registers
 25f1 5000 Series Chipset Reserved Registers
 25f3 5000 Series Chipset Reserved Registers
 25f5 5000 Series Chipset FBD Registers
 25f6 5000 Series Chipset FBD Registers
 25f7 5000 Series Chipset PCI Express x8 Port 2-3
 25f8 5000 Series Chipset PCI Express x8 Port 4-5
 25f9 5000 Series Chipset PCI Express x8 Port 6-7
 25fa 5000X Chipset PCI Express x16 Port 4-7
 2600 E8500/E8501 Hub Interface 1.5
 2601 E8500/E8501 PCI Express x4 Port D
 2602 E8500/E8501 PCI Express x4 Port C0
 2603 E8500/E8501 PCI Express x4 Port C1
 2604 E8500/E8501 PCI Express x4 Port B0
 2605 E8500/E8501 PCI Express x4 Port B1
 2606 E8500/E8501 PCI Express x4 Port A0
 2607 E8500/E8501 PCI Express x4 Port A1
 2608 E8500/E8501
 PCI Express x8 Port C
 2609 E8500/E8501 PCI Express x8 Port B
 260a E8500/E8501 PCI Express x8 Port A
 260c E8500/E8501 IMI Registers
 2610 E8500/E8501 FSB Registers
 2611 E8500/E8501 Address Mapping Registers
 2612 E8500/E8501 RAS Registers
 2613 E8500/E8501 Reserved Registers
 2614 E8500/E8501 Reserved Registers
 2615 E8500/E8501 Miscellaneous Registers
 2617 E8500/E8501 Reserved Registers
 2618 E8500/E8501 Reserved Registers
 2619 E8500/E8501 Reserved Registers
 261a E8500/E8501 Reserved Registers
 261b E8500/E8501 Reserved Registers
 261c E8500/E8501 Reserved Registers
 261d E8500/E8501 Reserved Registers
 261e E8500/E8501 Reserved Registers
 2620 E8500/E8501 eXternal Memory Bridge
 2621 E8500/E8501 XMB Miscellaneous Registers
 2622 E8500/E8501 XMB Memory Interleaving Registers
 2623 E8500/E8501 XMB DDR Initialization and Calibration
 2624 E8500/E8501 XMB Reserved Registers
 2625 E8500/E8501 XMB Reserved Registers
 2626 E8500/E8501 XMB Reserved Registers

2627
E8500/E8501 XMB Reserved Registers
2640 82801FB/FR (ICH6/ICH6R) LPC Interface Bridge
1462 7028 915P/G Neo2
1734 105c Scenic W620
e4bf 0ccd CCD-CALYPSO
e4bf 0cd3 CD3-JIVE
e4bf 58b1 XB1
2641 82801FBM (ICH6M) LPC Interface Bridge
103c 099c NX6110/NC6120
2642 82801FW/FRW (ICH6W/ICH6RW) LPC Interface Bridge
2651 82801FB/FW (ICH6/ICH6W) SATA Controller
1028 0179 Optiplex GX280
1043 2601 P5GD1-VW Mainboard
1734 105c Scenic W620
8086 4147 D915GAG Motherboard
e4bf 0ccd CCD-CALYPSO
e4bf 0cd3 CD3-JIVE
e4bf 58b1 XB1
2652 82801FR/FRW (ICH6R/ICH6RW) SATA Controller
1462 7028 915P/G Neo2
2653 82801FBM (ICH6M) SATA Controller
2658 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB UHCI #1
1028 0179 Optiplex GX280
103c 099c NX6110/NC6120
1043 80a6 P5GD1-VW Mainboard
1458 2558 GA-8I915ME-G Mainboard
1462 7028 915P/G Neo2
1734 105c Scenic W620
e4bf 0ccd CCD-CALYPSO
e4bf 0cd3 CD3-JIVE
e4bf 58b1 XB1
2659 82801FB/FBM/FR/FW/FRW
(ICH6 Family) USB UHCI #2
1028 0179 Optiplex GX280
103c 099c NX6110/NC6120
1043 80a6 P5GD1-VW Mainboard
1458 2659 GA-8I915ME-G Mainboard
1462 7028 915P/G Neo2
1734 105c Scenic W620
e4bf 0ccd CCD-CALYPSO
e4bf 0cd3 CD3-JIVE
e4bf 58b1 XB1
265a 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB UHCI #3
1028 0179 Optiplex GX280
103c 099c NX6110/NC6120
1043 80a6 P5GD1-VW Mainboard
1458 265a GA-8I915ME-G Mainboard

1462 7028 915P/G Neo2
 1734 105c Scenic W620
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 265b 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB UHCI #4
 1028 0179 Optiplex GX280
 103c 099c NX6110/NC6120
 1043 80a6 P5GD1-VW Mainboard
 1458 265a GA-8I915ME-G Mainboard
 1462 7028 915P/G Neo2
 1734 105c Scenic W620
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 265c 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB2 EHCI Controller
 1028 0179 Optiplex GX280
 103c 099c NX6110/NC6120
 1043 80a6 P5GD1-VW Mainboard
 1458
 5006 GA-8I915ME-G Mainboard
 1462 7028 915P/G Neo2
 1734 105c Scenic W620
 8086 265c Dimension 3100
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 2660 82801FB/FBM/FR/FW/FRW (ICH6 Family) PCI Express Port 1
 103c 099c NX6110/NC6120
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 2662 82801FB/FBM/FR/FW/FRW (ICH6 Family) PCI Express Port 2
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 2664 82801FB/FBM/FR/FW/FRW (ICH6 Family) PCI Express Port 3
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 2666 82801FB/FBM/FR/FW/FRW (ICH6 Family) PCI Express Port 4
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 2668 82801FB/FBM/FR/FW/FRW (ICH6 Family) High Definition Audio Controller
 # based on the PTGD1-LA motherboard
 103c 2a09 PufferM-UL8E
 1043 814e P5GD1-VW Mainboard

266a 82801FB/FBM/FR/FW/FRW (ICH6 Family) SMBus Controller
 1028 0179 Optiplex GX280
 1043 80a6 P5GD1-VW Mainboard
 1458
 266a GA-8I915ME-G Mainboard
 1462 7028 915P/G Neo2
 1734 105c Scenic W620
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 266c 82801FB/FBM/FR/FW/FRW (ICH6 Family) LAN Controller
 266d 82801FB/FBM/FR/FW/FRW (ICH6 Family) AC'97 Modem Controller
 1025 006a Conexant AC'97 CoDec (in Acer TravelMate 2410 serie laptop)
 103c 099c NX6110/NC6120
 266e 82801FB/FBM/FR/FW/FRW (ICH6 Family) AC'97 Audio Controller
 1025 006a Realtek ALC 655 codec (in Acer TravelMate 2410 serie laptop)
 1028 0179 Optiplex GX280
 1028 0182 Latitude D610 Laptop
 1028 0188 Inspiron 6000 laptop
 103c 0944 Compaq NC6220
 103c 099c NX6110/NC6120
 103c 3006 DC7100 SFF(DX878AV)
 1458 a002 GA-8I915ME-G Mainboard
 152d 0745 Packard Bell A8550 Laptop
 1734 105a Scenic W620
 266f 82801FB/FBM/FR/FW/FRW (ICH6 Family) IDE Controller
 103c 099c NX6110/NC6120
 1043 80a6 P5GD1-VW Mainboard
 1458 266f GA-8I915ME-G Mainboard
 1462 7028 915P/G Neo2
 1734 105c Scenic W620
 e4bf
 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 2670 631xESB/632xESB/3100 Chipset LPC Interface Controller
 2680 631xESB/632xESB/3100 Chipset SATA IDE Controller
 2681 631xESB/632xESB SATA AHCI Controller
 2682 631xESB/632xESB SATA RAID Controller
 2683 631xESB/632xESB SATA RAID Controller
 2688 631xESB/632xESB/3100 Chipset UHCI USB Controller #1
 2689 631xESB/632xESB/3100 Chipset UHCI USB Controller #2
 268a 631xESB/632xESB/3100 Chipset UHCI USB Controller #3
 268b 631xESB/632xESB/3100 Chipset UHCI USB Controller #4
 268c 631xESB/632xESB/3100 Chipset EHCI USB2 Controller
 2690 631xESB/632xESB/3100 Chipset PCI Express Root Port 1
 2692 631xESB/632xESB/3100 Chipset PCI Express Root Port 2
 2694 631xESB/632xESB/3100 Chipset PCI Express Root Port 3

2696 631xESB/632xESB/3100 Chipset PCI Express Root Port 4
 2698 631xESB/632xESB AC '97 Audio Controller
 2699 631xESB/632xESB AC '97 Modem Controller
 269a 631xESB/632xESB High Definition Audio Controller
 269b
 631xESB/632xESB/3100 Chipset SMBus Controller
 269e 631xESB/632xESB IDE Controller
 2770 82945G/GZ/P/PL Memory Controller Hub
 107b 5048 E4500
 8086 544e DeskTop Board D945GTP
 2771 82945G/GZ/P/PL PCI Express Root Port
 2772 82945G/GZ Integrated Graphics Controller
 8086 544e DeskTop Board D945GTP
 2774 82955X Memory Controller Hub
 2775 82955X PCI Express Root Port
 2776 82945G/GZ Integrated Graphics Controller
 2778 E7230/3000/3010 Memory Controller Hub
 2779 E7230/3000/3010 PCI Express Root Port
 277a 82975X/3010 PCI Express Root Port
 277c 82975X Memory Controller Hub
 277d 82975X PCI Express Root Port
 2782 82915G Integrated Graphics Controller
 1043 2582 P5GD1-VW Mainboard
 1734 105b Scenic W620
 2792 Mobile 915GM/GMS/910GML Express Graphics Controller
 103c 099c NX6110/NC6120
 1043 1881 GMA 900 915GM Integrated Graphics
 e4bf 0ccd CCD-CALYPSO
 e4bf 0cd3 CD3-JIVE
 e4bf 58b1 XB1
 27a0 Mobile 945GM/PM/GMS, 943/940GML and 945GT Express Memory Controller
 Hub
 1025 006c 9814 WKMI
 103c 30a1 NC2400
 17aa 2017 Thinkpad R60e model 0657
 27a1 Mobile 945GM/PM/GMS, 943/940GML and 945GT Express PCI Express Root Port
 27a2 Mobile 945GM/GMS, 943/940GML Express Integrated Graphics Controller
 103c 30a1 NC2400
 17aa 201a Thinkpad R60e model 0657
 27a6 Mobile 945GM/GMS, 943/940GML Express Integrated Graphics Controller
 103c 30a1 NC2400
 17aa 201a Thinkpad R60e model 0657
 27b0 82801GH (ICH7DH) LPC Interface Bridge
 27b8 82801GB/GR (ICH7 Family) LPC Interface Bridge
 107b 5048 E4500
 8086 544e DeskTop Board D945GTP
 27b9 82801GBM (ICH7-M) LPC Interface Bridge
 103c 30a1 NC2400

10f7 8338 Panasonic CF-Y5 laptop
 17aa 2009 ThinkPad T60/R60 series
 27bd 82801GHM (ICH7-M DH) LPC Interface Bridge
 1025 006c 9814 WKMI
 27c0 82801GB/GR/GH (ICH7 Family) SATA IDE Controller
 107b 5048 E4500
 8086 544e DeskTop Board D945GTP
 27c1 82801GR/GH (ICH7 Family) SATA AHCI Controller
 27c3 82801GR/GH (ICH7 Family) SATA RAID
 Controller
 27c4 82801GBM/GHM (ICH7 Family) SATA IDE Controller
 1025 006c 9814 WKMI
 27c5 82801GBM/GHM (ICH7 Family) SATA AHCI Controller
 17aa 200d Thinkpad R60e model 0657
 27c6 82801GHM (ICH7-M DH) SATA RAID Controller
 27c8 82801G (ICH7 Family) USB UHCI Controller #1
 1025 006c 9814 WKMI
 103c 30a1 NC2400
 107b 5048 E4500
 17aa 200a ThinkPad T60/R60 series
 8086 544e DeskTop Board D945GTP
 27c9 82801G (ICH7 Family) USB UHCI Controller #2
 1025 006c 9814 WKMI
 103c 30a1 NC2400
 107b 5048 E4500
 17aa 200a ThinkPad T60/R60 series
 8086 544e DeskTop Board D945GTP
 27ca 82801G (ICH7 Family) USB UHCI Controller #3
 1025 006c 9814 WKMI
 103c 30a1 NC2400
 107b 5048 E4500
 17aa 200a ThinkPad T60/R60 series
 8086 544e DeskTop Board D945GTP
 27cb 82801G (ICH7 Family) USB UHCI Controller #4
 1025 006c 9814 WKMI
 103c 30a1 NC2400
 107b 5048 E4500
 17aa 200a ThinkPad T60/R60 series
 8086 544e DeskTop Board D945GTP
 27cc 82801G (ICH7 Family)
 USB2 EHCI Controller
 1025 006c 9814 WKMI
 103c 30a1 NC2400
 17aa 200b ThinkPad T60/R60 series
 8086 544e DeskTop Board D945GTP
 27d0 82801G (ICH7 Family) PCI Express Port 1
 27d2 82801G (ICH7 Family) PCI Express Port 2
 27d4 82801G (ICH7 Family) PCI Express Port 3

27d6 82801G (ICH7 Family) PCI Express Port 4
 27d8 82801G (ICH7 Family) High Definition Audio Controller
 1025 006c 9814 WKMI
 103c 30a1 NC2400
 1043 13c4 Asus G2P
 107b 5048 E4500
 10f7 8338 Panasonic CF-Y5 laptop
 1179 ff31 AC97 Data Fax SoftModem with SmartCP
 152d 0753 Softmodem
 1734 10ad Conexant softmodem SmartCP
 17aa 2010 ThinkPad T60/R60 series
 17aa 3802 Lenovo 3000 C200 audio [Realtek ALC861VD]
 27da 82801G (ICH7 Family) SMBus Controller
 1025 006c 9814 WKMI
 10f7 8338 Panasonic CF-Y5 laptop
 17aa 200f ThinkPad T60/R60 series
 8086 544e DeskTop Board D945GTP
 27dc 82801G (ICH7 Family) LAN Controller
 8086 308d DeskTop Board D945GTP
 27dd 82801G (ICH7 Family) AC'97
 Modem Controller
 27de 82801G (ICH7 Family) AC'97 Audio Controller
 27df 82801G (ICH7 Family) IDE Controller
 103c 30a1 NC2400
 107b 5048 E4500
 10f7 8338 Panasonic CF-Y5 laptop
 17aa 200c Thinkpad R60e model 0657
 8086 544e DeskTop Board D945GTP
 27e0 82801GR/GH/GHM (ICH7 Family) PCI Express Port 5
 27e2 82801GR/GH/GHM (ICH7 Family) PCI Express Port 6
 2810 82801HB/HR (ICH8/R) LPC Interface Controller
 2811 Mobile LPC Interface Controller
 2812 82801HH (ICH8DH) LPC Interface Controller
 2814 82801HO (ICH8DO) LPC Interface Controller
 2815 Mobile LPC Interface Controller
 2820 82801H (ICH8 Family) 4 port SATA IDE Controller
 1462 7235 P965 Neo MS-7235 mainboard
 2821 82801HR/HO/HH (ICH8R/DO/DH) 6 port SATA AHCI Controller
 2822 82801 SATA RAID Controller
 2824 82801HB (ICH8) 4 port SATA AHCI Controller
 2825 82801H (ICH8 Family) 2 port SATA IDE Controller
 1462 7235 P965 Neo MS-7235 mainboard
 2828 Mobile SATA IDE Controller
 2829 Mobile SATA AHCI Controller
 282a
 Mobile SATA RAID Controller
 2830 82801H (ICH8 Family) USB UHCI Controller #1
 1462 7235 P965 Neo MS-7235 mainboard

2831 82801H (ICH8 Family) USB UHCI Controller #2
 1462 7235 P965 Neo MS-7235 mainboard
 2832 82801H (ICH8 Family) USB UHCI Controller #3
 2834 82801H (ICH8 Family) USB UHCI Controller #4
 1462 7235 P965 Neo MS-7235 mainboard
 2835 82801H (ICH8 Family) USB UHCI Controller #5
 2836 82801H (ICH8 Family) USB2 EHCI Controller #1
 1462 7235 P965 Neo MS-7235 mainboard
 283a 82801H (ICH8 Family) USB2 EHCI Controller #2
 283e 82801H (ICH8 Family) SMBus Controller
 1462 7235 P965 Neo MS-7235 mainboard
 283f 82801H (ICH8 Family) PCI Express Port 1
 2841 82801H (ICH8 Family) PCI Express Port 2
 2843 82801H (ICH8 Family) PCI Express Port 3
 2845 82801H (ICH8 Family) PCI Express Port 4
 2847 82801H (ICH8 Family) PCI Express Port 5
 2849 82801H (ICH8 Family) PCI Express Port 6
 284b 82801H (ICH8 Family) HD Audio Controller
 284f 82801H (ICH8 Family) Thermal
 Reporting Device
 2850 Mobile IDE Controller
 2910 LPC Interface Controller
 2911 LPC Interface Controller
 2912 LPC Interface Controller
 2914 LPC Interface Controller
 2916 LPC Interface Controller
 2918 LPC Interface Controller
 2920 4 port SATA IDE Controller
 2921 2 port SATA IDE Controller
 2922 6 port SATA AHCI Controller
 2923 4 port SATA AHCI Controller
 2925 SATA RAID Controller
 2926 2 port SATA IDE Controller
 2928 Mobile 2 port SATA IDE Controller
 2929 Mobile SATA AHCI Controller
 292c Mobile SATA RAID Controller
 292d Mobile 2 port SATA IDE Controller
 292e Mobile 1 port SATA IDE Controller
 2930 SMBus Controller
 2932 Thermal Subsystem
 2934 USB UHCI Controller #1
 2935 USB UHCI Controller #2
 2936 USB UHCI Controller #3
 2937 USB UHCI Controller #4
 2938 USB UHCI Controller #5
 2939 USB UHCI Controller #6
 293a USB2 EHCI Controller #1
 293c USB2 EHCI Controller #2

293e HD Audio Controller
 2940 PCI Express Port 1
 2942 PCI Express
 Port 2
 2944 PCI Express Port 3
 2946 PCI Express Port 4
 2948 PCI Express Port 5
 294a PCI Express Port 6
 294c 82566DC-2 Gigabit Network Connection
 2970 82946GZ/PL/GL Memory Controller Hub
 2971 82946GZ/PL/GL PCI Express Root Port
 2972 82946GZ/GL Integrated Graphics Controller
 2973 82946GZ/GL Integrated Graphics Controller
 2974 82946GZ/GL HECI Controller
 2975 82946GZ/GL HECI Controller
 2976 82946GZ/GL PT IDER Controller
 2977 82946GZ/GL KT Controller
 2980 965 G1 Memory Controller Hub
 2981 965 G1 PCI Express Root Port
 2982 965 G1 Integrated Graphics Controller
 2990 82Q963/Q965 Memory Controller Hub
 2991 82Q963/Q965 PCI Express Root Port
 2992 82Q963/Q965 Integrated Graphics Controller
 2993 82Q963/Q965 Integrated Graphics Controller
 2994 82Q963/Q965 HECI Controller
 2995 82Q963/Q965 HECI Controller
 2996 82Q963/Q965 PT IDER Controller
 2997 82Q963/Q965 KT Controller
 29a0 82P965/G965 Memory Controller Hub
 1462 7276 MS-7276 [G965MDH]
 29a1 82P965/G965
 PCI Express Root Port
 29a2 82G965 Integrated Graphics Controller
 1462 7276 MS-7276 [G965MDH]
 29a3 82G965 Integrated Graphics Controller
 29a4 82P965/G965 HECI Controller
 29a5 82P965/G965 HECI Controller
 29a6 82P965/G965 PT IDER Controller
 29a7 82P965/G965 KT Controller
 29b0 DRAM Controller
 29b1 PCI Express Root Port
 29b2 Integrated Graphics Controller
 29b3 Integrated Graphics Controller
 29b4 MEI Controller
 29b5 MEI Controller
 29b6 PT IDER Controller
 29b7 Serial KT Controller
 29c0 DRAM Controller

29c1 PCI Express Root Port
 29c2 Integrated Graphics Controller
 29c3 Integrated Graphics Controller
 29c4 MEI Controller
 29c5 MEI Controller
 29c6 PT IDER Controller
 29c7 Serial KT Controller
 29cf Virtual HECI Controller
 29d0 DRAM Controller
 29d1 PCI Express Root Port
 29d2 Integrated Graphics Controller
 29d3 Integrated Graphics Controller
 29d4 MEI Controller
 29d5 MEI Controller
 29d6 PT IDER Controller
 29d7 Serial KT Controller
 29e0
 DRAM Controller
 29e1 Host-Primary PCI Express Bridge
 29e4 MEI Controller
 29e5 MEI Controller
 29e6 PT IDER Controller
 29e7 Serial KT Controller
 29e9 Host-Secondary PCI Express Bridge
 29f0 Server DRAM Controller
 29f1 Server Host-Primary PCI Express Bridge
 29f4 Server MEI Controller
 29f5 Server MEI Controller
 29f6 Server PT IDER Controller
 29f7 Server Serial KT Controller
 29f9 Server Host-Secondary PCI Express Bridge
 2a00 Mobile Memory Controller Hub
 2a01 Mobile PCI Express Root Port
 2a02 Mobile Integrated Graphics Controller
 2a03 Mobile Integrated Graphics Controller
 2a04 Mobile MEI Controller
 2a05 Mobile MEI Controller
 2a06 Mobile PT IDER Controller
 2a07 Mobile KT Controller
 3092 Integrated RAID
 3200 GD31244 PCI-X SATA HBA
 1775 c200 C2K onboard SATA host bus adapter
 3340 82855PM Processor to I/O Controller
 1014 0529 Thinkpad T41
 1025 005a TravelMate 290
 103c 088c NC8000 laptop
 103c 0890 NC6000 laptop
 103c 08b0 tc1100

tablet
 144d c00c P30/P35 notebook
 3341 82855PM Processor to AGP Controller
 144d c00c P30 notebook
 3500 6311ESB/6321ESB PCI Express Upstream Port
 3501 6310ESB PCI Express Upstream Port
 3504 6311ESB/6321ESB I/OxAPIC Interrupt Controller
 3505 6310ESB I/OxAPIC Interrupt Controller
 350c 6311ESB/6321ESB PCI Express to PCI-X Bridge
 350d 6310ESB PCI Express to PCI-X Bridge
 3510 6311ESB/6321ESB PCI Express Downstream Port E1
 3511 6310ESB PCI Express Downstream Port E1
 3514 6311ESB/6321ESB PCI Express Downstream Port E2
 3515 6310ESB PCI Express Downstream Port E2
 3518 6311ESB/6321ESB PCI Express Downstream Port E3
 3519 6310ESB PCI Express Downstream Port E3
 3575 82830 830 Chipset Host Bridge
 0e11 0030 Evo N600c
 1014 021d ThinkPad A/T/X Series
 104d 80e7 VAIO PCG-GR214EP/GR214MP/GR215MP/GR314MP/GR315MP
 3576 82830 830 Chipset AGP Bridge
 3577 82830 CGC [Chipset Graphics Controller]
 1014 0513 ThinkPad A/T/X Series
 3578 82830 830 Chipset Host Bridge
 3580
 82852/82855 GM/GME/PM/GMV Processor to I/O Controller
 1014 055c Thinkpad R50e model 1634
 1028 0139 Latitude D400
 1028 014f Latitude X300
 1028 0163 Latitude D505
 1028 0196 Inspiron 5160
 1734 1055 Amilo M1420
 1775 10d0 V5D Single Board Computer
 1775 ce90 CE9
 4c53 10b0 CL9 mainboard
 4c53 10e0 PSL09 PrPMC
 e4bf 0cc9 CC9-SAMBA
 e4bf 0cd2 CD2-BEBOP
 3581 82852/82855 GM/GME/PM/GMV Processor to AGP Controller
 1734 1055 Amilo M1420
 3582 82852/855GM Integrated Graphics Device
 1014 0562 Thinkpad R50e model 1634
 1028 0139 Latitude D400
 1028 014f Latitude X300
 1028 0163 Latitude D505
 1775 10d0 V5D Single Board Computer VGA
 1775 ce90 CE9
 4c53 10b0 CL9 mainboard

4c53 10e0 PSL09 PrPMC
 e4bf 0cc9 CC9-SAMBA
 e4bf 0cd2 CD2-BEBOP
 3584 82852/82855 GM/GME/PM/GMV Processor to I/O Controller
 1014 055d Thinkpad R50e model 1634
 1028 0139 Latitude D400
 1028 014f Latitude X300
 1028 0163 Latitude D505
 1028 0196 Inspiron
 5160
 1734 1055 Amilo M1420
 1775 10d0 V5D Single Board Computer
 1775 ce90 CE9
 4c53 10b0 CL9 mainboard
 4c53 10e0 PSL09 PrPMC
 3585 82852/82855 GM/GME/PM/GMV Processor to I/O Controller
 1014 055e Thinkpad R50e model 1634
 1028 0139 Latitude D400
 1028 014f Latitude X300
 1028 0163 Latitude D505
 1028 0196 Inspiron 5160
 1734 1055 Amilo M1420
 1775 10d0 V5D Single Board Computer
 1775 ce90 CE9
 4c53 10b0 CL9 mainboard
 4c53 10e0 PSL09 PrPMC
 3590 E7520 Memory Controller Hub
 1014 02dd eServer xSeries server mainboard
 1028 019a PowerEdge SC1425
 1734 103e Primergy RX300 S2
 1775 1100 CR11/VR11 Single Board Computer
 4c53 10d0 Telum ASLP10 Processor AMC
 3591 E7525/E7520 Error Reporting Registers
 1014 02dd eServer xSeries server mainboard
 1028 0169 Precision 470
 4c53 10d0 Telum ASLP10 Processor AMC
 3592 E7320 Memory Controller Hub
 3593 E7320 Error Reporting Registers
 3594 E7520 DMA Controller
 1775 1100 CR11/VR11 Single Board
 Computer
 4c53 10d0 Telum ASLP10 Processor AMC
 3595 E7525/E7520/E7320 PCI Express Port A
 1775 1100 CR11/VR11 Single Board Computer
 3596 E7525/E7520/E7320 PCI Express Port A1
 3597 E7525/E7520 PCI Express Port B
 1775 1100 CR11/VR11 Single Board Computer
 3598 E7520 PCI Express Port B1

1775 1100 CR11/VR11 Single Board Computer
3599 E7520 PCI Express Port C
1775 1100 CR11/VR11 Single Board Computer
359a E7520 PCI Express Port C1
359b E7525/E7520/E7320 Extended Configuration Registers
1014 02dd eServer xSeries server mainboard
359e E7525 Memory Controller Hub
1028 0169 Precision 470
35b0 3100 Chipset Memory I/O Controller Hub
35b1 3100 DRAM Controller Error Reporting Registers
35b5 3100 Chipset Enhanced DMA Controller
35b6 3100 Chipset PCI Express Port A
35b7 3100 Chipset PCI Express Port A1
35c8 3100 Extended Configuration Test Overflow Registers
3600 Server Memory Controller Hub
3604 Server PCI Express Port 1
3605 Server PCI Express Port
2
3606 Server PCI Express Port 3
3607 Server PCI Express Port 4
3608 Server PCI Express Port 5
3609 Server PCI Express Port 6
360a Server PCI Express Port 7
360b Server IOAT DMA Controller
360c Server FSB Registers
360d Server Snoop Filter Registers
360e Server Reserved Registers
360f Server FBD Branch 0 Registers
3610 Server FBD Branch 1 Registers
4000 Memory Controller Hub
4008 Memory Controller Hub
4010 Memory Controller Hub
4021 PCI Express Port 1
4022 PCI Express Port 2
4023 PCI Express Port 3
4024 PCI Express Port 4
4025 PCI Express Port 5
4026 PCI Express Port 6
4027 PCI Express Port 7
4028 PCI Express Port 8
4029 PCI Express Port 9
402d IBIST Registers
402e IBIST Registers
402f DMA/DCA Engine
4030 FSB Registers
4032 I/OxAPIC
4035 FBD Registers
4036 FBD Registers

4220 PRO/Wireless 2200BG Network Connection
 8086 2731 Samsung P35 integrated WLAN
 4222 PRO/Wireless 3945ABG Network Connection
 8086 1005 PRO/Wireless
 3945BG Network Connection
 8086 1034 PRO/Wireless 3945BG Network Connection
 8086 1044 PRO/Wireless 3945BG Network Connection
 4223 PRO/Wireless 2915ABG Network Connection
 1351 103c Compaq NC6220
 4224 PRO/Wireless 2915ABG Network Connection
 4227 PRO/Wireless 3945ABG Network Connection
 8086 1011 Thinkpad X60s, R60e model 0657
 8086 1014 PRO/Wireless 3945BG Network Connection
 5001 Pro/DSL 2100 Modem
 5200 EtherExpress PRO/100 Intelligent Server
 5201 EtherExpress PRO/100 Intelligent Server
 8086 0001 EtherExpress PRO/100 Server Ethernet Adapter
 530d 80310 IOP [IO Processor]
 65c0 Memory Controller Hub
 65e2 PCI Express x4 Port 2
 65e3 PCI Express x4 Port 3
 65e4 PCI Express x4 Port 4
 65e5 PCI Express x4 Port 5
 65e6 PCI Express x4 Port 6
 65e7 PCI Express x4 Port 7
 65f0 FSB Registers
 65f1 Reserved Registers
 65f3 Reserved Registers
 65f5 DDR Channel 0 Registers
 65f6 DDR Channel 1 Registers
 65f7 PCI Express x8 Port 2-3
 65f8 PCI Express x8
 Port 4-5
 65f9 PCI Express x8 Port 6-7
 65fa PCI Express x16 Port 4-7
 65ff DMA Engine
 7000 82371SB PIIX3 ISA [Natoma/Triton II]
 7010 82371SB PIIX3 IDE [Natoma/Triton II]
 7020 82371SB PIIX3 USB [Natoma/Triton II]
 7030 430VX - 82437VX TVX [Triton VX]
 7050 Intercast Video Capture Card
 7051 PB 642365-003 (Business Video Conferencing Card)
 7100 430TX - 82439TX MTXC
 7110 82371AB/EB/MB PIIX4 ISA
 15ad 1976 virtualHW v3
 7111 82371AB/EB/MB PIIX4 IDE
 15ad 1976 virtualHW v3
 7112 82371AB/EB/MB PIIX4 USB

15ad 1976 virtualHW v3
 7113 82371AB/EB/MB PIIX4 ACPI
 15ad 1976 virtualHW v3
 7120 82810 GMCH [Graphics Memory Controller Hub]
 4c53 1040 CL7 mainboard
 4c53 1060 PC7 mainboard
 7121 82810 CGC [Chipset Graphics Controller]
 4c53 1040 CL7 mainboard
 4c53 1060 PC7 mainboard
 8086 4341 Cayman (CA810) Mainboard
 7122 82810 DC-100 GMCH [Graphics Memory Controller Hub]
 7123 82810 DC-100 CGC [Chipset Graphics Controller]
 7124 82810E DC-133 GMCH [Graphics
 Memory Controller Hub]
 1028 00b4 OptiPlex GX110
 7125 82810E DC-133 CGC [Chipset Graphics Controller]
 1028 00b4 OptiPlex GX110
 7126 82810 DC-133 System and Graphics Controller
 7128 82810-M DC-100 System and Graphics Controller
 712a 82810-M DC-133 System and Graphics Controller
 7180 440LX/EX - 82443LX/EX Host bridge
 7181 440LX/EX - 82443LX/EX AGP bridge
 7190 440BX/ZX/DX - 82443BX/ZX/DX Host bridge
 0e11 0500 Armada 1750 Laptop System Chipset
 0e11 b110 Armada M700/E500
 1028 008e PowerEdge 1300 mainboard
 1179 0001 Toshiba Tecra 8100 Laptop System Chipset
 15ad 1976 virtualHW v3
 4c53 1050 CT7 mainboard
 4c53 1051 CE7 mainboard
 7191 440BX/ZX/DX - 82443BX/ZX/DX AGP bridge
 1028 008e PowerEdge 1300 mainboard
 7192 440BX/ZX/DX - 82443BX/ZX/DX Host bridge (AGP disabled)
 0e11 0460 Armada 1700 Laptop System Chipset
 4c53 1000 CC7/CR7/CP7/VC7/VP7/VR7 mainboard
 7194 82440MX Host Bridge
 1033 0000 Versa Note Vxi
 4c53 10a0 CA3/CR3 mainboard
 7195
 82440MX AC'97 Audio Controller
 1033 80cc Versa Note VXi
 10cf 1099 QSound_SigmaTel Stac97 PCI Audio
 11d4 0040 SoundMAX Integrated Digital Audio
 11d4 0048 SoundMAX Integrated Digital Audio
 7196 82440MX AC'97 Modem Controller
 7198 82440MX ISA Bridge
 7199 82440MX EIDE Controller
 719a 82440MX USB Universal Host Controller

719b 82440MX Power Management Controller
 71a0 440GX - 82443GX Host bridge
 4c53 1050 CT7 mainboard
 4c53 1051 CE7 mainboard
 71a1 440GX - 82443GX AGP bridge
 71a2 440GX - 82443GX Host bridge (AGP disabled)
 4c53 1000 CC7/CR7/CP7/VC7/VP7/VR7 mainboard
 7600 82372FB PIIX5 ISA
 7601 82372FB PIIX5 IDE
 7602 82372FB PIIX5 USB
 7603 82372FB PIIX5 SMBus
 7800 82740 (i740) AGP Graphics Accelerator
 003d 0008 Starfighter AGP
 003d 000b Starfighter AGP
 1092 0100 Stealth II G460
 10b4 201a Lightspeed 740
 10b4 202f Lightspeed 740
 8086 0000 Terminator 2x/i
 8086 0100 Intel740 Graphics Accelerator
 8002 Trusted Execution Technology
 Registers
 84c4 450KX/GX [Orion] - 82454KX/GX PCI bridge
 84c5 450KX/GX [Orion] - 82453KX/GX Memory controller
 84ca 450NX - 82451NX Memory & I/O Controller
 84cb 450NX - 82454NX/84460GX PCI Expander Bridge
 84e0 460GX - 84460GX System Address Controller (SAC)
 84e1 460GX - 84460GX System Data Controller (SDC)
 84e2 460GX - 84460GX AGP Bridge (GXB function 2)
 84e3 460GX - 84460GX Memory Address Controller (MAC)
 84e4 460GX - 84460GX Memory Data Controller (MDC)
 84e6 460GX - 82466GX Wide and fast PCI eXpander Bridge (WXB)
 84ea 460GX - 84460GX AGP Bridge (GXB function 1)
 8500 IXP4XX Network Processor (IXP420/421/422/425/IXC1100)
 1993 0ded mGuard-PCI AV#2
 1993 0dee mGuard-PCI AV#1
 1993 0def mGuard-PCI AV#0
 9000 IXP2000 Family Network Processor
 9001 IXP2400 Network Processor
 9002 IXP2300 Network Processor
 9004 IXP2800 Network Processor
 9621 Integrated RAID
 9622 Integrated RAID
 9641 Integrated RAID
 96a1 Integrated RAID
 a620 6400/6402 Advanced Memory
 Buffer (AMB)
 b152 21152 PCI-to-PCI Bridge
 # observed, and documented in Intel revision note; new mask of 1011:0026

b154 21154 PCI-to-PCI Bridge
b555 21555 Non transparent PCI-to-PCI Bridge
12c7 5005 SS7HD PCI Adaptor Card
12c7 5006 SS7HDC cPCI Adaptor Card
12d9 000a PCI VoIP Gateway
4c53 1050 CT7 mainboard
4c53 1051 CE7 mainboard
e4bf 1000 CC8-1-BLUES
80ee InnoTek Systemberatung GmbH
beef VirtualBox Graphics Adapter
cafe VirtualBox Guest Service
8384 Sigmatel
7618 High Definition Audio Codec
7670 9770 High Definition Audio
7672 9772 High Definition Audio
8401 TRENDware International Inc.
8686 ScaleMP
1010 vSMPowered system controller [vSMP CTL]
8800 Trigem Computer Inc.
2008 Video assistant component
8866 T-Square Design Inc.
8888 Silicon Magic
8912 TRX
8c4a is not Winbond but there is a board misprogrammed
8c4a Winbond
1980 W89C940 misprogrammed [ne2k]
8e0e Computone Corporation
8e2e KTI
3000 ET32P2
9004 Adaptec
0078 AHA-2940U_CN
1078
AIC-7810
1160 AIC-1160 [Family Fibre Channel Adapter]
2178 AIC-7821
3860 AHA-2930CU
3b78 AHA-4844W/4844UW
5075 AIC-755x
5078 AHA-7850
9004 7850 AHA-2904/Integrated AIC-7850
5175 AIC-755x
5178 AIC-7851
5275 AIC-755x
5278 AIC-7852
5375 AIC-755x
5378 AIC-7850
5475 AIC-755x
5478 AIC-7850

5575 AVA-2930
 5578 AIC-7855
 5647 ANA-7711 TCP Offload Engine
 9004 7710 ANA-7711F TCP Offload Engine - Optical
 9004 7711 ANA-7711LP TCP Offload Engine - Copper
 5675 AIC-755x
 5678 AIC-7856
 5775 AIC-755x
 5778 AIC-7850
 5800 AIC-5800
 5900 ANA-5910/5930/5940 ATM155 & 25 LAN Adapter
 5905 ANA-5910A/5930A/5940A ATM Adapter
 6038 AIC-3860
 6075 AIC-1480 / APA-1480
 9004 7560 AIC-1480 / APA-1480 Cardbus
 6078 AIC-7860
 6178 AIC-7861
 9004 7861 AHA-2940AU Single
 6278 AIC-7860
 6378 AIC-7860
 6478 AIC-786x
 6578 AIC-786x
 6678 AIC-786x
 6778 AIC-786x
 6915 ANA620xx/ANA69011A
 9004 0008 ANA69011A/TX 10/100
 9004 0009 ANA69011A/TX
 10/100
 9004 0010 ANA62022 2-port 10/100
 9004 0018 ANA62044 4-port 10/100
 9004 0019 ANA62044 4-port 10/100
 9004 0020 ANA62022 2-port 10/100
 9004 0028 ANA69011A/TX 10/100
 9004 8008 ANA69011A/TX 64 bit 10/100
 9004 8009 ANA69011A/TX 64 bit 10/100
 9004 8010 ANA62022 2-port 64 bit 10/100
 9004 8018 ANA62044 4-port 64 bit 10/100
 9004 8019 ANA62044 4-port 64 bit 10/100
 9004 8020 ANA62022 2-port 64 bit 10/100
 9004 8028 ANA69011A/TX 64 bit 10/100
 7078 AHA-294x / AIC-7870
 7178 AHA-2940/2940W / AIC-7871
 7278 AHA-3940/3940W / AIC-7872
 7378 AHA-3985 / AIC-7873
 7478 AHA-2944/2944W / AIC-7874
 7578 AHA-3944/3944W / AIC-7875
 7678 AHA-4944W/UW / AIC-7876
 7710 ANA-7711F Network Accelerator Card (NAC) - Optical

7711 ANA-7711C Network Accelerator Card (NAC) - Copper
 7778 AIC-787x
 7810 AIC-7810
 7815 AIC-7815 RAID+Memory Controller IC
 9004 7815 ARO-1130U2 RAID Controller
 9004 7840 AIC-7815 RAID+Memory Controller IC
 7850 AIC-7850
 7855 AHA-2930
 7860
 AIC-7860
 7870 AIC-7870
 7871 AHA-2940
 7872 AHA-3940
 7873 AHA-3980
 7874 AHA-2944
 7880 AIC-7880P
 7890 AIC-7890
 7891 AIC-789x
 7892 AIC-789x
 7893 AIC-789x
 7894 AIC-789x
 7895 AHA-2940U/UW / AHA-39xx / AIC-7895
 9004 7890 AHA-2940U/2940UW Dual AHA-394xAU/AUW/AUWD AIC-7895B
 9004 7891 AHA-2940U/2940UW Dual
 9004 7892 AHA-3940AU/AUW/AUWD/UWD
 9004 7894 AHA-3944AUWD
 9004 7895 AHA-2940U/2940UW Dual AHA-394xAU/AUW/AUWD AIC-7895B
 9004 7896 AHA-2940U/2940UW Dual AHA-394xAU/AUW/AUWD AIC-7895B
 9004 7897 AHA-2940U/2940UW Dual AHA-394xAU/AUW/AUWD AIC-7895B
 7896 AIC-789x
 7897 AIC-789x
 8078 AIC-7880U
 9004 7880 AIC-7880P Ultra/Ultra Wide SCSI Chipset
 8178 AHA-2940U/UW/D / AIC-7881U
 9004 7881 AHA-2940UW SCSI Host Adapter
 8278 AHA-3940U/UW/UWD / AIC-7882U
 8378 AHA-3940U/UW / AIC-7883U
 8478 AHA-2944UW / AIC-7884U
 8578 AHA-3944U/UWD / AIC-7885
 8678 AHA-4944UW / AIC-7886
 8778 AHA-2940UW Pro / AIC-788x
 9004 7887 2940UW Pro Ultra-Wide
 SCSI Controller
 8878 AHA-2930UW / AIC-7888
 9004 7888 AHA-2930UW SCSI Controller
 8b78 ABA-1030
 ec78 AHA-4944W/UW
 9005 Adaptec

0010 AHA-2940U2/U2W
 9005 2180 AHA-2940U2 SCSI Controller
 9005 8100 AHA-2940U2B SCSI Controller
 9005 a100 AHA-2940U2B SCSI Controller
 9005 a180 AHA-2940U2W SCSI Controller
 9005 e100 AHA-2950U2B SCSI Controller
 0011 AHA-2930U2
 0013 78902
 9005 0003 AAA-131U2 Array1000 1 Channel RAID Controller
 9005 000f AIC7890_ARO
 001f AHA-2940U2/U2W / 7890/7891
 9005 000f 2940U2W SCSI Controller
 9005 a180 2940U2W SCSI Controller
 0020 AIC-7890
 002f AIC-7890
 0030 AIC-7890
 003f AIC-7890
 0050 AHA-3940U2x/395U2x
 9005 f500 AHA-3950U2B
 9005 ffff AHA-3950U2B
 0051 AHA-3950U2D
 9005 b500 AHA-3950U2D
 0053 AIC-7896 SCSI Controller
 9005 ffff AIC-7896 SCSI Controller mainboard implementation
 005f AIC-7896U2/7897U2
 0080 AIC-7892A U160/m
 0e11 e2a0 Compaq 64-Bit/66MHz Wide Ultra3 SCSI Adapter
 9005 6220 AHA-29160C
 9005
 62a0 29160N Ultra160 SCSI Controller
 9005 e220 29160LP Low Profile Ultra160 SCSI Controller
 9005 e2a0 29160 Ultra160 SCSI Controller
 0081 AIC-7892B U160/m
 9005 62a1 19160 Ultra160 SCSI Controller
 0083 AIC-7892D U160/m
 008f AIC-7892P U160/m
 1179 0001 Magnia Z310
 15d9 9005 Onboard SCSI Host Adapter
 0092 AVC-2010 [VideoH!]
 0093 AVC-2410 [VideoH!]
 00c0 AHA-3960D / AIC-7899A U160/m
 0e11 f620 Compaq 64-Bit/66MHz Dual Channel Wide Ultra3 SCSI Adapter
 9005 f620 AHA-3960D U160/m
 00c1 AIC-7899B U160/m
 00c3 AIC-7899D U160/m
 00c5 RAID subsystem HBA
 1028 00c5 PowerEdge 2400,2500,2550,4400
 00cf AIC-7899P U160/m

1028 00ce PowerEdge 1400
 1028 00d1 PowerEdge 2550
 1028 00d9 PowerEdge 2500
 10f1 2462 Thunder K7 S2462
 15d9 9005 Onboard SCSI Host Adapter
 8086 3411 SDS2 Mainboard
 0241 Serial ATA II RAID 1420SA
 0250 ServeRAID Controller
 1014 0279 ServeRAID-xx
 1014 028c ServeRAID-xx
 0279 ServeRAID 6M
 0283 AAC-RAID
 9005 0283 Catapult
 0284
 AAC-RAID
 9005 0284 Tomcat
 0285 AAC-RAID
 0e11 0295 SATA 6Ch (Bearcat)
 1014 02f2 ServeRAID 8i
 1028 0287 PowerEdge Expandable RAID Controller 320/DC
 1028 0291 CERC SATA RAID 2 PCI SATA 6ch (DellCorsair)
 103c 3227 AAR-2610SA
 108e 0286 STK RAID INT
 108e 0287 STK RAID EXT
 108e 7aac STK RAID REM
 15d9 02b5 AOC-USAS-S4i
 15d9 02b6 AOC-USAS-S8i
 15d9 02c9 AOC-USAS-S4iR
 15d9 02ca AOC-USAS-S8iR
 17aa 0286 Legend S220 (Legend Crusader)
 17aa 0287 Legend S230 (Legend Vulcan)
 9005 0285 2200S (Vulcan)
 9005 0286 2120S (Crusader)
 9005 0287 2200S (Vulcan-2m)
 9005 0288 3230S (Harrier)
 9005 0289 3240S (Tornado)
 # Some early versions reported 2020S
 9005 028a ASR-2020ZCR
 # Some early versions reported 2025S
 9005 028b ASR-2025ZCR (Terminator)
 9005 028e ASR-2020SA (Skyhawk)
 9005 028f ASR-2025SA
 9005 0290 AAR-2410SA PCI SATA 4ch (Jaguar II)
 9005 0292 AAR-2810SA PCI SATA 8ch (Corsair-8)
 9005 0293 AAR-21610SA PCI SATA 16ch
 (Corsair-16)
 9005 0294 ESD SO-DIMM PCI-X SATA ZCR (Prowler)
 9005 0296 ASR-2240S

9005 0297 ASR-4005SAS
9005 0298 ASR-4000
9005 0299 ASR-4800SAS
9005 029a 4805SAS
9005 02a4 ICP ICP9085LI
9005 02a5 ICP ICP5085BR
9005 02b5 ASR5800
9005 02b6 ASR5805
9005 02b7 ASR5808
9005 02b8 ICP5445SL
9005 02b9 ICP5085SL
9005 02ba ICP5805SL
9005 02bb 3405
9005 02bc 3805
9005 02bd 31205
9005 02be 31605
9005 02bf ICP ICP5045BL
9005 02c0 ICP ICP5085BL
9005 02c1 ICP ICP5125BR
9005 02c2 ICP ICP5165BR
9005 02c3 51205
9005 02c4 51605
9005 02c5 ICP ICP5125SL
9005 02c6 ICP ICP5165SL
9005 02c7 3085
9005 02c8 ICP5805BL
0286 AAC-RAID (Rocket)
1014 034d 8s
1014 9540 ServeRAID 8k/8k-l4
1014 9580 ServeRAID 8k/8k-l8
9005 028c ASR-2230S + ASR-2230SLP PCI-X (Lancer)
9005 028d ASR-2130S
9005 029b ASR-2820SA
9005 029c ASR-2620SA
9005 029d ASR-2420SA
9005 029e ICP ICP9024R0
9005 029f ICP ICP9014R0
9005 02a0 ICP
ICP9047MA
9005 02a1 ICP ICP9087MA
9005 02a2 3800
9005 02a3 ICP ICP5445AU
9005 02a4 ICP ICP9085LI
9005 02a5 ICP ICP5085BR
9005 02a6 ICP9067MA
9005 02a7 3805
9005 02a8 3400
9005 02a9 ICP ICP5085AU

9005 02aa ICP ICP5045AU
9005 02ac 1800
9005 02b3 2400
9005 02b4 ICP ICP5045AL
9005 0800 Callisto
0410 AIC-9410W SAS (Razor HBA RAID)
9005 0410 ASC-48300(Spirit RAID)
9005 0411 ASC-58300 (Oakmont RAID)
0412 AIC-9410W SAS (Razor HBA non-RAID)
9005 0412 ASC-48300 (Spirit non-RAID)
9005 0413 ASC-58300 (Oakmont non-RAID)
041e AIC-9410W SAS (Razor ASIC non-RAID)
041f AIC-9410W SAS (Razor ASIC RAID)
9005 041f AIC-9410W SAS (Razor ASIC RAID)
0430 AIC-9405W SAS (Razor-Lite HBA RAID)
9005 0430 ASC-44300 (Spirit-Lite RAID)
0432 AIC-9405W SAS (Razor-Lite HBA non-RAID)
9005 0432 ASC-44300 (Spirit-Lite non-RAID)
043e AIC-9405W SAS (Razor-Lite ASIC non-RAID)
043f AIC-9405W SAS (Razor-Lite ASIC RAID)
0500 Obsidian chipset SCSI
controller
1014 02c1 PCI-X DDR 3Gb SAS Adapter (572A/572C)
1014 02c2 PCI-X DDR 3Gb SAS RAID Adapter (572B/572D)
0503 Scamp chipset SCSI controller
1014 02bf Quad Channel PCI-X DDR U320 SCSI RAID Adapter (571E)
1014 02c3 PCI-X DDR 3Gb SAS RAID Adapter (572F)
1014 02d5 Quad Channel PCI-X DDR U320 SCSI RAID Adapter (571F)
0910 AUA-3100B
091e AUA-3100B
8000 ASC-29320A U320
800f AIC-7901 U320
8010 ASC-39320 U320
8011 ASC-39320D
0e11 00ac ASC-39320D U320
9005 0041 ASC-39320D U320
8012 ASC-29320 U320
8013 ASC-29320B U320
8014 ASC-29320LP U320
8015 ASC-39320B U320
8016 ASC-39320A U320
8017 ASC-29320ALP U320
9005 0044 ASC-29320ALP PCIx U320
9005 0045 ASC-29320LPE PCIe U320
801c ASC-39320D U320
801d AIC-7902B U320
1014 02cc ServeRAID 7e
801e AIC-7901A U320

801f AIC-7902 U320
 1734 1011 Primergy RX300
 8080 ASC-29320A U320 w/HostRAID
 808f AIC-7901 U320 w/HostRAID
 8090 ASC-39320 U320 w/HostRAID
 8091 ASC-39320D U320 w/HostRAID
 8092
 ASC-29320 U320 w/HostRAID
 8093 ASC-29320B U320 w/HostRAID
 8094 ASC-29320LP U320 w/HostRAID
 8095 ASC-39320(B) U320 w/HostRAID
 8096 ASC-39320A U320 w/HostRAID
 8097 ASC-29320ALP U320 w/HostRAID
 809c ASC-39320D(B) U320 w/HostRAID
 809d AIC-7902(B) U320 w/HostRAID
 1014 02cc ServeRAID 7e
 809e AIC-7901A U320 w/HostRAID
 809f AIC-7902 U320 w/HostRAID
 907f Atrionics
 2015 IDE-2015PL
 919a Gigapixel Corp
 9412 Holtek
 6565 6565
 9699 Omni Media Technology Inc
 6565 6565
 9710 NetMos Technology
 7780 USB IRDA-port
 9805 PCI 1 port parallel adapter
 9815 PCI 9815 Multi-I/O Controller
 1000 0020 2P0S (2 port parallel adaptor)
 9835 PCI 9835 Multi-I/O Controller
 1000 0002 2S (16C550 UART)
 1000 0012 1P2S
 9845 PCI 9845 Multi-I/O Controller
 1000 0004 0P4S (4 port 16550A serial card)
 1000 0006 0P6S (6 port 16550a serial card)
 9855 PCI 9855 Multi-I/O Controller
 1000 0014 1P4S
 9902 Stargen Inc.
 0001 SG2010 PCI over Starfabric Bridge
 0002 SG2010 PCI
 to Starfabric Gateway
 0003 SG1010 Starfabric Switch and PCI Bridge
 a0a0 AOPEN Inc.
 a0f1 UNISYS Corporation
 a200 NEC Corporation
 a259 Hewlett Packard
 a25b Hewlett Packard GmbH PL24-MKT

a304 Sony
a727 3Com Corporation
0013 3CRPAG175 Wireless PC Card
aa42 Scitex Digital Video
ac1e Digital Receiver Technology Inc
ac3d Actuality Systems
aecb Adrienne Electronics Corporation
6250 VITC/LTC Timecode Reader card [PCI-VLTC/RDR]
affe Sirrix AG security technologies
02e1 PCI2E1 2-port ISDN E1 interface
dead Sirrix.PCI4S0 4-port ISDN S0 interface
Not registered officially
b10b Uakron PCI Project
b1b3 Shiva Europe Limited
Pinnacle should be 11bd, but they got it wrong several times --mj
bd11 Pinnacle Systems, Inc. (Wrong ID)
c001 TSI Telsys
c0a9 Micron/Crucial Technology
c0de Motorola
c0fe Motion Engineering, Inc.
ca50 Varian Australia Pty Ltd
cafe Chrysalis-ITS
0003 Luna K3 Hardware Security Module
cccc Catapult Communications
ccec Curtiss-Wright Controls Embedded
Computing
cddd Tyzx, Inc.
0101 DeepSea 1 High Speed Stereo Vision Frame Grabber
0200 DeepSea 2 High Speed Stereo Vision Frame Grabber
d161 Digium, Inc.
0120 Wildcard TE120P single-span T1/E1/J1 card
0205 Wildcard TE205P dual-span T1/E1/J1 card 5.0V
0210 Wildcard TE210P dual-span T1/E1/J1 card 3.3V
0405 Wildcard TE405P quad-span T1/E1/J1 card 5.0V
0410 Wildcard TE410P quad-span T1/E1/J1 card 3.3V
0800 Wildcard TDM800P 8-port analog card
2400 Wildcard TDM2400P 24-port analog card
3400 Wildcard TC400P transcoder base card
b410 Wildcard B410 quad-BRI card
d4d4 Dy4 Systems Inc
0601 PCI Mezzanine Card
d531 I+ME ACTIA GmbH
d84d Exsys
dead Indigita Corporation
deaf Middle Digital Inc.
9050 PC Weasel Virtual VGA
9051 PC Weasel Serial Port
9052 PC Weasel Watchdog Timer

e000 Winbond
 e000 W89C940
 e159 Tiger Jet Network Inc.
 0001 Tiger3XX Modem/ISDN interface
 0059 0001 128k ISDN-S/T Adapter
 0059 0003 128k ISDN-U Adapter
 00a7 0001 TELES.S0/PCI
 2.x ISDN Adapter
 8086 0003 Digium X100P/X101P analogue PSTN FXO interface
 0002 Tiger100APC ISDN chipset
 e4bf EKF Elektronik GmbH
 e55e Essence Technology, Inc.
 ea01 Eagle Technology
 000a PCI-773 Temperature Card
 0032 PCI-730 & PC104P-30 Card
 003e PCI-762 Opto-Isolator Card
 0041 PCI-763 Reed Relay Card
 0043 PCI-769 Opto-Isolator Reed Relay Combo Card
 0046 PCI-766 Analog Output Card
 0052 PCI-703 Analog I/O Card
 0800 PCI-800 Digital I/O Card
 # The main chip of all these devices is by Xilinx -> It could also be a Xilinx ID.
 ea60 RME
 9896 Digi32
 9897 Digi32 Pro
 9898 Digi32/8
 eabb Aashima Technology B.V.
 eace Endace Measurement Systems, Ltd
 3100 DAG 3.10 OC-3/OC-12
 3200 DAG 3.2x OC-3/OC-12
 320e DAG 3.2E Fast Ethernet
 340e DAG 3.4E Fast Ethernet
 341e DAG 3.41E Fast Ethernet
 3500 DAG 3.5 OC-3/OC-12
 351c DAG 3.5ECM Fast Ethernet
 4100 DAG 4.10 OC-48
 4110 DAG 4.11 OC-48
 4220 DAG 4.2 OC-48
 422e DAG 4.2E Dual Gigabit Ethernet
 ec80 Belkin Corporation
 ec00
 F5D6000
 ecc0 Echo Digital Audio Corporation
 edd8 ARK Logic Inc
 a091 1000PV [Stingray]
 a099 2000PV [Stingray]
 a0a1 2000MT
 a0a9 2000MI

f1d0 AJA Video
 c0fe Xena HS/HD-R
 c0ff Kona/Xena 2
 cafe Kona SD
 cfee Xena LS/SD-22-DA/SD-DA
 dcaf Kona HD
 dfec Xena HD-DA
 efac Xena SD-MM/SD-22-MM
 facd Xena HD-MM
 fa57 Interagon AS
 0001 PMC [Pattern Matching Chip]
 fab7 Fabric7 Systems, Inc.
 febd Ultraview Corp.
 # Nee Epigram
 feda Broadcom Inc
 a0fa BCM4210 iLine10 HomePNA 2.0
 a10e BCM4230 iLine10 HomePNA 2.0
 fede Fedetec Inc.
 0003 TABIC PCI v3
 fffd XenSource, Inc.
 0101 PCI Event Channel Controller
 fffe VMWare Inc
 0405 Virtual SVGA 4.0
 0710 Virtual SVGA
 ffff Illegal Vendor ID

List of known device classes, subclasses and programming interfaces

Syntax:
 # C class class_name
 # subclass subclass_name <-- single tab
 # prog-if prog-if_name <-- two tabs

C 00 Unclassified device
 00 Non-VGA unclassified device
 01 VGA compatible unclassified device
 C 01 Mass storage controller
 00 SCSI storage controller
 01 IDE interface
 02 Floppy disk controller
 03 IPI bus controller
 04 RAID bus controller
 05 ATA controller
 20 ADMA single stepping
 30 ADMA continuous operation
 06 SATA controller

- 00 Vendor specific
- 01 AHCI 1.0
- 07 Serial Attached SCSI controller
- 80 Mass storage controller
- C 02 Network controller
 - 00 Ethernet controller
 - 01 Token ring network controller
 - 02 FDDI network controller
 - 03 ATM network controller
 - 04 ISDN controller
 - 05 WorldFip controller
 - 06 PICMG controller
 - 80 Network controller
- C 03 Display controller
 - 00 VGA compatible controller
 - 00 VGA controller
 - 01 8514 controller
 - 01 XGA compatible controller
 - 02 3D controller
 - 80 Display controller
- C 04 Multimedia controller
 - 00 Multimedia video controller
 - 01 Multimedia audio controller
 - 02 Computer telephony device
 - 03 Audio device
 - 80 Multimedia controller
- C 05 Memory controller
 - 00 RAM memory
 - 01 FLASH memory
 - 80 Memory controller
- C 06 Bridge
 - 00 Host bridge
 - 01 ISA bridge
 - 02 EISA bridge
 - 03 MicroChannel bridge
 - 04 PCI bridge
 - 00 Normal decode
 - 01 Subtractive decode
 - 05 PCMCIA bridge
 - 06 NuBus bridge
 - 07 CardBus bridge
 - 08 RACEway bridge
 - 00 Transparent mode
 - 01 Endpoint mode
 - 09 Semi-transparent PCI-to-PCI bridge
 - 40 Primary bus towards host CPU
 - 80 Secondary bus towards host CPU

- 0a InfiniBand to PCI host bridge
- 80 Bridge
- C 07 Communication controller
 - 00 Serial controller
 - 00 8250
 - 01 16450
 - 02 16550
 - 03 16650
 - 04 16750
 - 05 16850
 - 06 16950
 - 01 Parallel controller
 - 00 SPP
 - 01 BiDir
 - 02 ECP
 - 03 IEEE1284
 - fe IEEE1284 Target
 - 02 Multiport serial controller
 - 03 Modem
 - 00 Generic
 - 01 Hayes/16450
 - 02 Hayes/16550
 - 03 Hayes/16650
 - 04 Hayes/16750
 - 04 GPIB controller
 - 05 Smard Card controller
 - 80 Communication controller
- C 08 Generic system peripheral
 - 00 PIC
 - 00 8259
 - 01 ISA PIC
 - 02 EISA PIC
 - 10 IO-APIC
 - 20 IO(X)-APIC
 - 01
 - DMA controller
 - 00 8237
 - 01 ISA DMA
 - 02 EISA DMA
 - 02 Timer
 - 00 8254
 - 01 ISA Timer
 - 02 EISA Timers
 - 03 RTC
 - 00 Generic
 - 01 ISA RTC
 - 04 PCI Hot-plug controller
 - 05 SD Host controller

- 80 System peripheral
- C 09 Input device controller
 - 00 Keyboard controller
 - 01 Digitizer Pen
 - 02 Mouse controller
 - 03 Scanner controller
 - 04 Gameport controller
 - 00 Generic
 - 10 Extended
- 80 Input device controller
- C 0a Docking station
 - 00 Generic Docking Station
- 80 Docking Station
- C 0b Processor
 - 00 386
 - 01 486
 - 02 Pentium
 - 10 Alpha
 - 20 Power PC
 - 30 MIPS
 - 40 Co-processor
- C 0c Serial bus controller
 - 00 FireWire (IEEE 1394)
 - 00 Generic
 - 10 OHCI
 - 01 ACCESS Bus
 - 02 SSA
 - 03 USB Controller
 - 00 UHCI
 - 10 OHCI
 - 20 EHCI
 - 80 Unspecified
- fe USB Device
- 04 Fibre Channel
- 05 SMBus
- 06 InfiniBand
- 07 IPMI SMIC interface
- 08 SERCOS interface
- 09 CANBUS

- C 0d Wireless controller
- 00 IRDA controller
- 01 Consumer IR controller
- 10 RF controller
- 11
 - Bluetooth
- 12 Broadband
- 20 802.1a controller
- 21 802.1b controller

- 80 Wireless controller
- C 0e Intelligent controller
 - 00 I2O
- C 0f Satellite communications controller
 - 01 Satellite TV controller
 - 02 Satellite audio communication controller
 - 03 Satellite voice communication controller
 - 04 Satellite data communication controller
- C 10 Encryption controller
 - 00 Network and computing encryption device
 - 10 Entertainment encryption device
 - 80 Encryption controller
- C 11 Signal processing controller
 - 00 DPIO module
 - 01 Performance counters
 - 10 Communication synchronizer
 - 20 Signal processing management
 - 80 Signal processing controller

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/pci.ids

No license file was found, but licenses were detected in source scan.

/*

* The PCI Library -- OpenBSD /dev/pci access

*

* Adapted from fbsd-device.c by Matthieu Herrb <matthieu.herrb@laas.fr>, 2006

*

* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/obsd-device.c

No license file was found, but licenses were detected in source scan.

/*

* The PCI Library -- Configuration Access via /sys/bus/pci

*

* Copyright (c) 2003 Matthew Wilcox <willy@fc.hp.com>

* Copyright (c) 1997--2008 Martin Mares <mj@ucw.cz>

*

* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/sysfs.c

No license file was found, but licenses were detected in source scan.

```
/*
 * The PCI Library -- Types and Format Strings
 *
 * Copyright (c) 1997--2008 Martin Mares <mj@ucw.cz>
 *
 * Can be freely distributed and used under the terms of the GNU GPL.
 */
```

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/types.h

No license file was found, but licenses were detected in source scan.

```
/*
 * The PCI Library -- Initialization and related things
 *
 * Copyright (c) 1997--2008 Martin Mares <mj@ucw.cz>
 *
 * Can be freely distributed and used under the terms of the GNU GPL.
 */
```

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/init.c

No license file was found, but licenses were detected in source scan.

```
/*
 * The PCI Utilities -- Declarations
 *
 * Copyright (c) 1997--2008 Martin Mares <mj@ucw.cz>
 *
 * Can be freely distributed and used under the terms of the GNU GPL.
 */
```

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/pciutils.h

No license file was found, but licenses were detected in source scan.

```
/*
 * The PCI Library -- Parameters
 *
 * Copyright (c) 2008 Martin Mares <mj@ucw.cz>
 *
 * Can be freely distributed and used under the terms of the GNU GPL.
 */
```

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/params.c

No license file was found, but licenses were detected in source scan.

```
/*
* The PCI Library -- NetBSD libpci access
*   (based on FreeBSD /dev/pci access)
*
* Copyright (c) 1999 Jari Kirma <kirma@cs.hut.fi>
*   Copyright (c) 2002 Quentin Garnier <cube@cubidou.net>
* Copyright (c) 2002 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):

```
* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/nbsd-libpci.c
```

No license file was found, but licenses were detected in source scan.

```
/*
* The PCI Utilities -- Common Functions
*
* Copyright (c) 1997--2008 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):

```
* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/common.c
```

No license file was found, but licenses were detected in source scan.

```
/*
* The PCI Library -- Access to i386 I/O ports on GNU Hurd
*
* Copyright (c) 2003 Marco Gerards <metgerards@student.han.nl>
* Copyright (c) 2003 Martin Mares <mj@ucw.cz>
* Copyright (c) 2006 Samuel Thibault <samuel.thibault@ens-lyon.org> and
*   Thomas Schwinge <tschwinge@gnu.org>
* Copyright (c) 2007 Thomas Schwinge <tschwinge@gnu.org>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):

```
* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/i386-io-hurd.h
```

No license file was found, but licenses were detected in source scan.

```
/*
* The PCI Library -- Reading of Bus Dumps
*
* Copyright (c) 1997--2008 Martin Mares <mj@ucw.cz>
*
```


* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/dump.c

No license file was found, but licenses were detected in source scan.

/*

* The PCI Library

*

* Copyright (c) 1997--2008 Martin Mares <mj@ucw.cz>

*

* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/pci.h

No license file was found, but licenses were detected in source scan.

/*

* The PCI Library -- System-Dependent Stuff

*

* Copyright (c) 1997--2004 Martin Mares <mj@ucw.cz>

*

* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/sysdep.h

No license file was found, but licenses were detected in source scan.

/*

* The PCI Library -- Device Filtering

*

* Copyright (c) 1998--2003 Martin Mares <mj@ucw.cz>

*

* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/filter.c

No license file was found, but licenses were detected in source scan.

/*

* The PCI Library -- Resolving ID's via DNS

*

* Copyright (c) 2007--2008 Martin Mares <mj@ucw.cz>

*

* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/names-net.c

No license file was found, but licenses were detected in source scan.

/*

* The PCI Library -- Portable interface to pread() and pwrite()

*

* Copyright (c) 1997--2003 Martin Mares <mj@ucw.cz>

*

* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/pread.h

No license file was found, but licenses were detected in source scan.

/*

* The PCI Library -- ID to Name Translation

*

* Copyright (c) 1997--2008 Martin Mares <mj@ucw.cz>

*

* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/names.c

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/names.h

No license file was found, but licenses were detected in source scan.

/*

* The PCI Library -- FreeBSD /dev/pci access

*

* Copyright (c) 1999 Jari Kirma <kirma@cs.hut.fi>

* Updated in 2003 by Samy Al Bahra <samy@kerneled.com>

*

* Can be freely distributed and used under the terms of the GNU GPL.

*/

Found in path(s):

* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/fbsd-device.c

No license file was found, but licenses were detected in source scan.

This package contains the PCI Utilities, version @VERSION@.

Copyright (c) 1997--2008 Martin Mares <mj@ucw.cz>

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1. What's that?

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The PCI Utilities package contains a library for portable access to PCI bus configuration registers and several utilities based on this library.

It runs on the following systems:

Linux (via /sys/bus/pci, /proc/bus/pci or i386 ports)  
FreeBSD (via /dev/pci)  
NetBSD (via libpci)  
OpenBSD (via /dev/pci)  
GNU/kFreeBSD (via /dev/pci)  
Solaris/i386 (direct port access)  
Aix (via /dev/pci and odmget)  
GNU Hurd (direct port access)  
Windows (direct port access)

It should be very easy to add support for other systems as well (volunteers wanted; if you want to try that, I'll be very glad to see the patches and include them in the next version).

The utilities include: (See manual pages for more details)

- lspci: displays detailed information about all PCI buses and devices.
- setpci: allows to read from and write to PCI device configuration registers. For example, you can adjust the latency timers with it.  
CAUTION: There is a couple of dangerous points and caveats, please read the manual page first!
- update-pciids: download the current version of the pci.ids file.

## 2. Compiling and (un)installing

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Just run "make" to compile the package and then "make install" to install it. Please note that GNU make is needed on most platforms.

If you want to change the default installation location, please override the PREFIX variable specified in the Makefile -- e.g., you can use "make PREFIX=/opt/pciutils install" to create a separate installation

not interfering with the rest of your system. Setting the DESTDIR variable will allow you to install to a different directory from the one you intend to eventually run it from. This is useful for people who are packaging pciutils to install on other computers.

There are several options which can be set in the Makefile or overridden when running make:

ZLIB=yes/no Enable support for compressed pci.ids (requires zlib).

If it is enabled, pciutils will use pci.ids.gz in preference to pci.ids, even if the pci.ids file is newer. If the pci.ids.gz file is missing, it will use pci.ids instead. If you do not specify this option, the configure script will try to guess automatically based on the presence of zlib.

DNS=yes/no Enable support for querying the central database of PCI ID's using DNS. Requires libresolv (which is available on most systems as a part of the standard libraries) and tries to autodetect its presence if the option is not specified.

SHARED=yes/ Build libpci as a shared library. Requires GCC 4.0 or newer. no/local The ABI of the shared library is intended to remain backward compatible for a long time (we use symbol versioning to achieve that, like GNU libc does). The value 'local' includes the right directory name in the binaries, so the utilities can be run without installation. This is not recommended for any production builds.

"make install-lib" installs the library together with its header files for use by other programs.

When you are bored of dumping PCI registers, just use "make uninstall".

3. Getting new ID's

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The database of PCI ID's (the pci.ids file) gets out of date much faster than I release new versions of this package.

If you are missing names for any of your devices or you just want to stay on the bleeding edge, download the most recent pci.ids file from <http://pciids.sf.net/> (e.g., by running the update-ids utility).

Alternatively, you can use 'lspci -q' to query the central database for new entries via network.

If your devices

still appear as unknown, please send us their ID's and names, the detailed instructions for submissions are listed on the sf.net web page.

#### 4. Getting new versions

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New versions of pciutils are available at the following places:

<ftp://atrey.karlin.mff.cuni.cz/pub/linux/pci/>

<ftp://ftp.kernel.org/pub/software/utils/pciutils/> (expect a couple of hours delay)

<ftp://metalab.unc.edu/pub/Linux/hardware/> (expect a couple of days delay)

There is also a public GIT tree at:

<git://git.kernel.org/pub/scm/utils/pciutils/pciutils.git>

5. Using the library

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So far, there is only a little documentation for the library except for the general introduction in the pcilib(7) man page. If you want to use the library in your programs, please follow the comments in lib/pci.h and in the example program example.c.

#### 6. Feedback

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If you have any bug reports or suggestions, send them to the author.

If you have any new ID's, I'll be very glad to add them to the database, but please take a look at <http://pciids.sf.net/> first and follow the instructions.

If you want, subscribe to linux-pci@atrey.karlin.mff.cuni.cz (send "subscribe linux-pci" to majordomo@atrey.karlin.mff.cuni.cz). Release notes about new versions will be send to the list and problems with the Linux PCI support will be probably discussed there, too.

7. Miscellanea

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You also might want to look at the pciutils web page containing release notes and other news: <http://mj.ucw.cz/pciutils.shtml> .

There also exists a utility called PowerTweak which is able to fine tune parameters of many chipsets much better than the Bridge Optimization code in Linux kernel (already removed in 2.3.x). See <http://powertweak.sf.net/>

for more information.

Have fun  
Martin

Found in path(s):

\* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/README

No license file was found, but licenses were detected in source scan.

/\*

\* The PCI Library -- PCI Header Structure (based on <linux/pci.h>)

\*

\* Copyright (c) 1997--2007 Martin Mares <mj@ucw.cz>

\*

\* Can be freely distributed and used under the terms of the GNU GPL.

\*/

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/\*

\* The PCI Library -- Configuration Access via /proc/bus/pci

\*

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\*/

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/\*

\* The PCI Library -- ID to Name Cache

\*

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\*/

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/\*

\* The PCI Library -- Generic Direct Access Functions

\*

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\*  
\* Can be freely distributed and used under the terms of the GNU GPL.  
\*/

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Name: pciutils

Version: @VERSION@

Release: 1

Source: ftp://atrey.karlin.mff.cuni.cz/pub/linux/pci/{name}-{version}.tar.gz

Copyright: GNU GPL

Buildroot: /tmp/{name}-{version}-root

ExclusiveOS: Linux

Summary: The PCI Utilities

Summary(pl): Narzdzia do manipulacji ustawieniami urzdze PCI

Group: Utilities/System

%description

This package contains various utilities for inspecting and setting of devices connected to the PCI bus.

%description -l pl

Pakiet zawiera narzdzia do ustawiania i odczytywania informacji o urzdzeniach podczonych do szyny PCI w Twoim komputerze.

%description -l de

Dieses Paket enthlt verschiedene Programme zum Anzeigen und Einstellen von PCI-Bus Erweiterungen.

%prep

%setup -q

%build

make OPT="\$RPM\_OPT\_FLAGS"

%install

rm -rf \$RPM\_BUILD\_ROOT

make install PREFIX=\$RPM\_BUILD\_ROOT/usr ROOT=\$RPM\_BUILD\_ROOT/\  
MANDIR=\$RPM\_BUILD\_ROOT/{\_mandir}

%files

%defattr(0644, root, root,  
0755)

%attr(0644, root, man) %{\_mandir}/man8/\*

%attr(0711, root, root) /usr/sbin/\*

```
%config /usr/share/pci.ids
%doc README ChangeLog pciutils.lsm
```

```
%clean
rm -rf $RPM_BUILD_ROOT
```

```
%changelog
* Tue Sep 29 1998 Krzysztof G. Baranowski <kgb@knm.org.pl>
[1.07-1]
- build from non-root account against glibc-2.0
- written spec from scratch
```

```
Found in path(s):
* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/pciutils.spec
No license file was found, but licenses were detected in source scan.
```

```
/*
* The PCI Utilities -- Manipulate PCI Configuration Registers
*
* Copyright (c) 1998--2008 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

```
Found in path(s):
* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/setpci.c
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```

```
/*
* The PCI Library -- AIX /dev/pci[0-n] access
*
* Copyright (c) 1999 Jari Kirma <kirma@cs.hut.fi>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

```
Found in path(s):
* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/aix-device.c
No license file was found, but licenses were detected in source scan.
```

```
/*
* The PCI Library -- ID to Name Hash
*
* Copyright (c) 1997--2008 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```



Found in path(s):

\* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/lib/names-hash.c

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/\*

\* The PCI Library -- Parsing of the ID list

\*

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\*

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\*/

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/\*

\* The PCI Library -- Example of use (simplistic lister of PCI devices)

\*

\* Written by Martin Mares and put to public domain. You can do

\* with it anything you want, but I don't give you any warranty.

\*/

Found in path(s):

\* /distrotech-pciutils-v3-0-0-0-gcec9f7e-1-tar-gz/Distrotech-pciutils-cec9f7e/example.c

## 1.264 libnsl 2.7

### 1.264.1 Available under license :

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Version 2.1, February 1999

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convey the exclusion of warranty; and each file should have at least  
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>

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You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute
it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

## 1.267 tcpdump 4.99.1

### 1.267.1 Available under license :

```
# -*- perl -*-
```

```
$testlist = [
# This specific test fails on OpenBSD because the .pcap file uses DLT_RAW,
# which OpenBSD treats as DLT_LOOP. The macro is set on all three BSDs.
{
```

```

    config_unset => 'HAVE_NET_IF_PFLOG_H',
    name => 'heap-overflow-1',
    input => 'heap-overflow-1.pcap',
    output => 'heap-overflow-1.out',
    args  => '-v'
  },
];

```

1;

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## 1.268 tftp-hpa 5.2

### 1.268.1 Available under license :

No license file was found, but licenses were detected in source scan.

```

/*
 * Copyright (c) 1983 Regents of the University of California.
 * Copyright (c) 1999-2009 H. Peter Anvin
 * Copyright (c) 2011 Intel Corporation; author: H. Peter Anvin
 * All rights reserved.
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions
 * are met:
 * 1. Redistributions of source code must retain the above copyright
 *   notice, this list of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright
 *   notice, this list of conditions and the following disclaimer in the

```

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- \* THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS" AND
- \* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
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- \* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
- \* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
- \* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
- \* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
- \* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
- \* SUCH DAMAGE.
- \*/

Found

in path(s):

\* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftpd/tftpd.c  
 No license file was found, but licenses were detected in source scan.

/\*

- \* Copyright (c) 1983, 1993
- \* The Regents of the University of California. All rights reserved.
- \*
- \* Redistribution and use in source and binary forms, with or without
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- \* are met:
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- \* notice, this list of conditions and the following disclaimer.
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- \* notice, this list of conditions and the following disclaimer in the
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```

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* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/

```

Found in path(s):

```

* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp/tftp.c
*
* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp/main.c
* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/common/tftpsubs.c

```

No license file was found, but licenses were detected in source scan.

```

/* ----- */
*
* Copyright 2001-2007 H. Peter Anvin - All Rights Reserved
*
* This program is free software available under the same license
* as the "OpenBSD" operating system, distributed at
* http://www.openbsd.org/.
*
* ----- */

```

Found in path(s):

```

* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftpd/remap.h
* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftpd/misc.c
* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftpd/remap.c

```

No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).

Name: tftp

Version: 5.2

Release: 1

License: BSD

Group: Applications/Internet

Source0: <http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz>

BuildRequires: tcp\_wrappers-devel

BuildRoot: %{\_tmppath}/%{name}-root

%description

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.

%package server

Group: System Environment/Daemons

Summary: The server for the Trivial File Transfer Protocol (TFTP).

Requires: xinetd

%description server

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp-server package provides the server for TFTP, which allows users to transfer files to and from a remote machine. TFTP provides very little security, and should not be enabled unless it is expressly needed. The TFTP server is run from /etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep

%setup -q -n tftp-hpa-%{version}

%build

%configure

make %{?\_smp\_mflags}

%install

rm -rf \${RPM\_BUILD\_ROOT}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_bindir}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_mandir}/man{1,8}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_sbindir}

make INSTALLROOT=\${RPM\_BUILD\_ROOT} \

SBINDIR=%{\_sbindir} MANDIR=%{\_mandir} \

install

install -m755 -d \${RPM\_BUILD\_ROOT}%{\_sysconfdir}/xinetd.d/ \${RPM\_BUILD\_ROOT}/tftpboot

install -m644 tftp-xinetd \${RPM\_BUILD\_ROOT}%{\_sysconfdir}/xinetd.d/tftp

%post server

/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server

if [ \$1 = 0 ]; then

/sbin/service xinetd reload > /dev/null 2>&1 || :

fi



```

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files
server
%defattr(-,root,root)
%config(noreplace) %{_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33
- Add /tftpboot directory (#88204)

* Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Sun Feb 23 2003 Tim Powers <timp@redhat.com>
- add BuildPreReq on tcp_wrappers

* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
- rebuilt

* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
- Update to 0.32

* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
- Fix #55789
- Update to 0.30

* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>

```

- Try applying HJ's patch from #65476
  
- \* Fri Jun  
21 2002 Tim Powers <timp@redhat.com>  
- automated rebuild
  
- \* Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>  
- Update to 0.29
  
- \* Thu May 23 2002 Tim Powers <timp@redhat.com>  
- automated rebuild
  
- \* Wed Jan 09 2002 Tim Powers <timp@redhat.com>  
- automated rebuild
  
- \* Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15  
- Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562  
- Update to tftp-hpa-0.28 (bug #56131)  
- Remove include/arpa/tftp.h to fix #57259  
- Add resource limits in tftp-xinetd (#56722)
  
- \* Sun Jun 24 2001 Elliot Lee <sopwith@redhat.com>  
- Bump release + rebuild.
  
- \* Tue Jun 12 2001 Helge Deller <hdeller@redhat.de> (0.17-13)  
- updated tftp-hpa source to tftp-hpa-0.17  
- tweaked specfile with different defines for tftp-netkit and tftp-hpa version  
- use hpa's tftpd.8 man page instead of the netkits one
  
- \* Mon May 07 2001 Helge Deller <hdeller@redhat.de>  
- rebuilt in 7.1.x
  
- \* Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>  
- fix tftp client's put problems (#29529)  
- update  
to tftp-hpa-0.16
  
- \* Wed Apr 4 2001 Jakub Jelinek <jakub@redhat.com>  
- don't let configure to guess compiler, it can pick up egcs
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>  
- changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)  
- fixed hpa-tftpd to handle files greater than 32MB (#23725)  
- added "-l" flag to hpa-tftpd for file-logging (#26467)  
- added description for "-l" to the man-page
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>  
- updated tftp client to 0.17 stable (#19640),

- drop dependency on xinetd for tftp client (#25051),
  
- \* Wed Jan 17 2001 Jeff Johnson <jbj@redhat.com>
- xinetd shouldn't wait on tftp (which forks) (#23923).
  
- \* Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>
- fix to permit tftp put's (#18128).
- startup as root with chroot to /tftpboot with early reversion to nobody is preferable to starting as nobody w/o ability to chroot.
- %%post is needed by server, not client. Add %%postun for erasure as well.
  
- \* Wed Aug 23 2000
- Nalin Dahyabhai <nalin@redhat.com>
- default to being disabled
  
- \* Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>
- correct group.
  
- \* Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>
- change user from root to nobody
  
- \* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>
- update to tftp-hpa-0.14 (#14003).
- add server\_args (#14003).
- remove -D\_BSD\_SOURCE (#14003).
  
- \* Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>
- cook up an xinetd config file for tftpd
  
- \* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
- automatic rebuild
  
- \* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>
- FHS packaging.
- update to 0.17.
  
- \* Fri May 5 2000 Matt Wilson <msw@redhat.com>
- use \_BSD\_SOURCE for hpa's tftpd so we get BSD signal semantics.
  
- \* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>
- fix description
  
- \* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>
- compress man pages (again).
  
- \* Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>
- man pages are compressed
- fix description and summary

- \* Tue  
Jan 4 2000 Bill Nottingham <notting@redhat.com>  
- split client and server
- \* Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>  
- update to 0.16.
- \* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>  
- update to 0.15.
- \* Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>  
- tftpd should truncate file when overwriting (#412)
- \* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>  
- auto rebuild in the new build environment (release 22)
- \* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>  
- compile for 6.0.
- \* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>  
- build root
- \* Mon Apr 27 1998 Prospector System <bugs@redhat.com>  
- translations modified for de, fr, tr
- \* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>  
- added check for getpwnam() failure
- \* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>  
- initial build

Found in path(s):

\* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp.spec  
No license file was found, but licenses were detected in source scan.

```
/* -*- c -*- ----- *
*
* Copyright 2001-2006 H. Peter Anvin - All Rights Reserved
*
* This program is free software available under the same license
* as the "OpenBSD" operating system, distributed at
* http://www.openbsd.org/.
*
* ----- */
```

Found in path(s):

\* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/config.h

No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).

Name: tftp

Version: @@VERSION@@

Release: 1

License: BSD

Group: Applications/Internet

Source0: <http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz>

BuildRequires: tcp\_wrappers-devel

BuildRoot: %{\_tmppath}/%{name}-root

%description

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.

%package server

Group: System Environment/Daemons

Summary: The server for the Trivial File Transfer Protocol (TFTP).

Requires: xinetd

%description server

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp-server package provides the server for TFTP, which allows users to transfer files to and from a remote machine. TFTP provides very little security, and should not be enabled unless it is expressly needed. The TFTP server is run from /etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep

%setup -q -n tftp-hpa-%{version}

%build

%configure

make %{?\_smp\_mflags}

%install

rm -rf \${RPM\_BUILD\_ROOT}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_bindir}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_mandir}/man{1,8}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_sbindir}

make INSTALLROOT=\${RPM\_BUILD\_ROOT} \

```

SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
    /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files
server
%defattr(-,root,root)
%config(noreplace) %{_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33
- Add /tftpboot directory (#88204)

* Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Sun Feb 23 2003 Tim Powers <timp@redhat.com>

```

- add BuildPreReq on tcp\_wrappers
  
- \* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
- rebuilt
  
- \* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
- Update to 0.32
  
- \* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
- Fix #55789
- Update to 0.30
  
- \* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>
- Try applying HJ's patch from #65476
  
- \*
- Fri Jun 21 2002 Tim Powers <timp@redhat.com>
- automated rebuild
  
- \* Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>
- Update to 0.29
  
- \* Thu May 23 2002 Tim Powers <timp@redhat.com>
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- Bump release + rebuild.
  
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- tweaked specfile with different defines for tftp-netkit and tftp-hpa version
- use hpa's tftpd.8 man page instead of the netkits one
  
- \* Mon May 07 2001 Helge Deller <hdeller@redhat.de>
- rebuilt in 7.1.x
  
- \* Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>
- fix tftp client's put problems (#29529)
-

update to tftp-hpa-0.16

\* Wed Apr 4 2001 Jakub Jelinek <jakub@redhat.com>  
- don't let configure to guess compiler, it can pick up egcs

\* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>  
- changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)  
- fixed hpa-tftpd to handle files greater than 32MB (#23725)  
- added "-l" flag to hpa-tftpd for file-logging (#26467)  
- added description for "-l" to the man-page

\* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>  
- updated tftp client to 0.17 stable (#19640),  
- drop dependency on xinetd for tftp client (#25051),

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- xinetd shouldn't wait on tftp (which forks) (#23923).

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- fix to permit tftp put's (#18128).  
- startup as root with chroot to /tftpboot with early reversion to nobody  
is preferable to starting as nobody w/o ability to chroot.  
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23 2000 Nalin Dahyabhai <nalin@redhat.com>  
- default to being disabled

\* Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>  
- correct group.

\* Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>  
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\* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>  
- update to tftp-hpa-0.14 (#14003).  
- add server\_args (#14003).  
- remove -D\_BSD\_SOURCE (#14003).

\* Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>  
- cook up an xinetd config file for tftpd

\* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>  
- automatic rebuild

\* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>  
- FHS packaging.  
- update to 0.17.



\* Fri May 5 2000 Matt Wilson <msw@redhat.com>  
- use \_BSD\_SOURCE for hpa's tftpd so we get BSD signal semantics.

\* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>  
- fix description

\* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>  
- compress man pages (again).

\* Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>  
- man pages are compressed  
- fix description and summary

\*

Tue Jan 4 2000 Bill Nottingham <notting@redhat.com>  
- split client and server

\* Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>  
- update to 0.16.

\* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>  
- update to 0.15.

\* Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>  
- tftpd should truncate file when overwriting (#412)

\* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>  
- auto rebuild in the new build environment (release 22)

\* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>  
- compile for 6.0.

\* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>  
- build root

\* Mon Apr 27 1998 Prospector System <bugs@redhat.com>  
- translations modified for de, fr, tr

\* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>  
- added check for getpwnam() failure

\* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>  
- initial build

Found in path(s):

\* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp.spec.in

No license file was found, but licenses were detected in source scan.

```
/* ----- *  
*  
* Copyright 2001 H. Peter Anvin - All Rights Reserved  
*  
* This program is free software available under the same license  
* as the "OpenBSD" operating system, distributed at  
* http://www.openbsd.org/.  
*  
* ----- */
```

Found in path(s):

\* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/tftpd.h

No license file was found, but licenses were detected in source scan.

```
/* ----- *  
*  
* Copyright 2001-2006 H. Peter Anvin - All Rights Reserved  
*  
* This program is free software available under the same license  
* as the "OpenBSD" operating system, distributed at  
* http://www.openbsd.org/.  
*  
* ----- */
```

Found in path(s):

\* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/recvfrom.c

\* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/recvfrom.h

No license file was found, but licenses were detected in source scan.

```
.\" The Regents of the University of California. All rights reserved.  
.\" Copyright 2001-2009 H. Peter Anvin - All Rights Reserved  
.\" Redistribution and use in source and binary forms, with or without  
.\" modification, are permitted provided that the following conditions  
.\" are met:  
.\" 1. Redistributions of source code must retain the above copyright  
.\" notice, this list of conditions and the following disclaimer.  
.\" 2. Redistributions in binary form must reproduce the above copyright  
.\" notice, this list of conditions and the following disclaimer in the  
.\" documentation and/or other materials provided with the distribution.  
.\" 3. Neither the name of the University nor the names of its contributors  
.\" without specific prior written permission.
```

Found in path(s):

\* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/tftpd.8.in

No license file was found, but licenses were detected in source scan.

```

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.\" notice, this list of conditions and the following disclaimer in the
.\" documentation and/or other materials provided with the distribution.
.\" 3. Neither the name of the University nor the names of its contributors
.\" without specific prior written permission.

```

Found in path(s):

```
* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/tftp.1.in
```

No license file was found, but licenses were detected in source scan.

```

## Copyright 2001-2007 H. Peter Anvin - All Rights Reserved
## This program is free software available under the same license

```

Found in path(s):

```
* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/MCONFIG.in
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* Copyright (c) 1993
```

```
* The Regents of the University of California. All rights reserved.
```

```
*
```

```
* Redistribution and use in source and binary forms, with or without
```

```
* modification, are permitted provided that the following conditions
```

```
* are met:
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```
* 1. Redistributions of source code must retain the above copyright
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* notice, this list of conditions and the following disclaimer.
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```
* 2. Redistributions in binary form must reproduce the above copyright
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* California, Berkeley and its contributors.
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* 4. Neither the name of the University nor the names of its contributors
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* may
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*
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```

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 \* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
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 \* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
 \* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
 \* SUCH DAMAGE.  
 \*/

Found in path(s):

\* /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/common/tftpsubs.h  
 \*  
 /tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/extern.h

# 1.269 vim 8.2

## 1.269.1 Available under license :

\*uganda.txt\* For Vim version 8.2. Last change: 2019 Dec 07

VIM REFERENCE MANUAL by Bram Moolenaar

\*uganda\* \*Uganda\* \*copying\* \*copyright\* \*license\*  
 SUMMARY

\*iccf\* \*ICCF\*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

<http://iccf-holland.org/>  
<http://www.vim.org/iccf/>  
<http://www.iccf.nl/>

You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see |manual-copyright|.

=== begin of license ===

VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute

unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:

- 1) This license text must be included unmodified.
- 2) The modified Vim must be distributed in one of the following five ways:
  - a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation

then this license, or a later version, also applies to your changes.

The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

- b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

- c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from

making their own changes to the official version of Vim.

- d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them

- available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
  - e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.
- 3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.
- 4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL.

If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is  
<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
- If you link Vim with a library that goes under the GNU GPL, this limits further

distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.
- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED\_BY define.

=====

Kibaale Children's Centre \*kcc\* \*Kibaale\* \*charity\*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods.

There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

\*donate\*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are

very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:

Kibaale Children's Centre  
p.o.  
box 1658  
Masaka, Uganda, East Africa



Sending money:   \*iccf-donations\*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.

Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.  
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.  
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.  
Kibaale Children's Fund c/o Pacific Academy  
10238-168 Street  
Surrey, B.C. V4N 1Z4  
Canada  
Phone: 604-581-5353

If

you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.  
This will allow for tax deduction if you live in Holland.  
Postbank, nr. 4548774  
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.  
Check the ICCF web site for the latest information:  
<http://iccf-holland.org/germany.html>

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.  
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is

the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

[https://www.paypal.com/en\\_US/mrb/pal=XAC62PML3GF8Q](https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q)

The e-mail address for sending the money to is:

Bram@iccf-holland.org

For amounts above 400 Euro (\$500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A

IBAN: NL95 INGB 0004 5487 74

under the name "stichting ICCF Holland", Lisse

If that doesn't work:

Rabobank Lisse, account 3765.05.117

Swift code: RABO NL 2U

under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

Bram Moolenaar

Finsterruetihof 1

8134 Adliswil

Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:noet:ft=help:norl:

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public

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This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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## 1.270 e2fsprogs 1.46.5

### 1.270.1 Available under license :

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#

# This is a Makefile stub which handles the creation of BSD shared  
# libraries.

#

# In order to use this stub, the following makefile variables must be defined.

#

# BSDLIB\_VERSION = 1.0

# BSDLIB\_IMAGE = libce

# BSDLIB\_MYDIR = et

# BSDLIB\_INSTALL\_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD\_LIB = \$(BSDLIB\_IMAGE).so.\$(BSDLIB\_VERSION)

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

\$(BSD\_LIB): \$(OBSJ)

(cd pic; ld -Bshareable -o \$(BSD\_LIB) \$(LDFLAGS\_SHLIB) \$(OBSJ))

\$(MV) pic/\$(BSD\_LIB) .

\$(RM) -f ../\$(BSD\_LIB)

(cd ..; \$(LN) \$(LINK\_BUILD\_FLAGS) \

`echo \$(my\_dir) | sed -e 's;lib/;;'/'\$(BSD\_LIB) \$(BSD\_LIB))

install-shlibs install:: \$(BSD\_LIB)

@echo " INSTALL\_PROGRAM \$(BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)"

@\$(INSTALL\_PROGRAM) \$(BSD\_LIB) \

\$(DESTDIR)\$(BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$(BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)

clean::

\$(RM)

-rf pic

\$(RM) -f \$(BSD\_LIB)

\$(RM) -f ../\$(BSD\_LIB)

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files of the EXT2 file system utilities. The EXT2 utilities were  
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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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Gadi Oxman, August 1995

---

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>

Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this



when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY;  
for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider

it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

This package, the EXT2 filesystem utilities, are made available under the GNU Public License version 2, with the exception of the lib/ext2fs and lib/e2p libraries, which are made available under the GNU Library General Public License Version 2, the lib/uuid library which is made available under a BSD-style license and the lib/et and lib/ss libraries which are made available under an MIT-style license. Please see lib/uuid/COPYING for more details for the license for the files comprising the libuuid library, and the source file headers of the libet and libss libraries for more information.

The most recent officially distributed version can be found at <http://e2fsprogs.sourceforge.net>. If you need to make a distribution, that's the one you should use. If there is some reason why you'd like a more recent version that is still in ALPHA testing (i.e., either using the "WIP" test distributions or one from the hg or git repository from the development branch, please contact me ([tytso@mit.edu](mailto:tytso@mit.edu))

before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o  
23-June-2007

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Version 2, June 1991

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### Preamble

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When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and

(2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

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0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered

only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with

the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under

the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

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6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing

to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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#### END OF TERMS AND CONDITIONS

#### How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name
of author>
```

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:



Gnomovision version 69, Copyright (C) year name of author  
Gnomovision  
comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate  
parts of the General Public License. Of course, the commands you use may  
be called something other than `show w' and `show c'; they could even be  
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your  
school, if any, to sign a "copyright disclaimer" for the program, if  
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice

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Version 2, June 1991

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[This is the first released version of the library GPL. It is  
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your  
freedom to share and change it. By contrast, the GNU General Public  
Licenses are intended to guarantee your freedom to share and change  
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When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary

GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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addressed  
as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

#### Activities

other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do

this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy

from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were  
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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## 1.273 util-linux 2.37.4

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|   | NR   | START | END  | SECTORS | SIZE | NAME        | UUID |
|---|------|-------|------|---------|------|-------------|------|
| 1 | 32   | 7679  | 7648 | 3.7M    |      | 8f8378c0-01 |      |
| 2 | 7680 | 16383 | 8704 | 4.3M    |      | 8f8378c0-02 |      |
| 5 | 7936 | 12799 | 4864 | 2.4M    |      |             |      |

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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```
#!/usr/bin/env bash
# MIT licenses will each have a unique MD5 sum since they contain a unique copyright.
# This script will read the license file into memory, strip out the copyright, and then
# generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e
```

```
calculate_md5_sum() {
  local FILE="$1"
```

```
# Read the contents of the file into a variable
```

```

local raw_license_text=$(<"$FILE")

# Convert to lowercase
local lowercase_license_text="{raw_license_text,,}"

# Remove anything before the beginning of the license
local stripped_license_text=$(awk '/permission is hereby granted/{p=1} p' <<< "$lowercase_license_text")

# Replace line breaks (Windows or Linux) with a single space
local replaced_linebreaks=$(tr '\r\n' ' ' <<< "$stripped_license_text")

# Replace multiple spaces with a single space
local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")

# Strip away any non-printable, non-whitespace characters
local clean_unprintable_license_text=$(tr
-cd '[:print:][:space:]' <<< "$normalized_license_text")

# Remove punctuation and special characters
local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z ]//g')

# Calculate the MD5 sum of the cleaned license text
local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')

# Output the MD5 sum
echo "$MD5SUM"
}

# Check if the FILE argument is provided
if [ -z "$1" ]; then
    echo "Please provide a FILE as an argument."
    exit 1
fi

# Invoke the function with the provided FILE argument
calculate_md5_sum "$1"
WEV @@ WEV[B "1
x ?"U@,5 @mISmIN<GimCN7g1u|E
43mI,5WEV @@ WEV @mImImIAmImImI0mImImI*mImI
A0mImImI...
lost+found...

;9GimCN7g

!"#$%&'()*+,-
./0123456789;:<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~

!"#$%&'()*+,-

```

./0123456789;,<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}~

!"#\$%&'()\*+,-

./0123456789;,<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}~

!"#\$%&'()\*+,-

./0123456789;,<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}~WEV @@  
WEV[B "1

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# 1.274 gzip 1.12

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## 1.275 perl 5.34.1

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Written by: Philip Hazel  
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## 1.283 python-pip 21.2.4

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

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<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's

principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 2.4.2 | 2.4.1 | 2005 | PSF | yes |
| 2.4.3 | 2.4.2 | 2006 | PSF | yes |
| 2.4.4 | 2.4.3 | 2006 | PSF | yes |
| 2.5   | 2.4   | 2006 | PSF | yes |
| 2.5.1 | 2.5   | 2007 | PSF | yes |
| 2.5.2 | 2.5.1 | 2008 | PSF | yes |
| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
| 2.6   | 2.5   | 2008 | PSF | yes |
| 2.6.1 | 2.6   | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1   | 2010 | PSF | yes |
| 3.2   | 3.1   | 2010 | PSF | yes |

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## 1.289 python-pip 22.2.2

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Python was created in the early 1990s by Guido van Rossum at Stichting  
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as a successor of a language called ABC. Guido remains Python's  
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for  
National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)  
in Reston, Virginia where he released several versions of the  
software.

In May 2000, Guido and the Python core development team moved to  
BeOpen.com to form the BeOpen PythonLabs team. In October of the same  
year, the PythonLabs team moved to Digital Creations (now Zope  
Corporation, see <http://www.zope.com>). In 2001, the Python Software  
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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
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| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
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| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |
| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |
| 2.5.2          | 2.5.1        | 2008      | PSF        | yes                 |
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| 2.6            | 2.5          | 2008      | PSF        | yes                 |
| 2.6.1          | 2.6          | 2008      | PSF        | yes                 |
| 2.6.2          | 2.6.1        | 2009      | PSF        | yes                 |
| 2.6.3          | 2.6.2        | 2009      | PSF        | yes                 |
| 2.6.4          | 2.6.3        | 2009      | PSF        | yes                 |
| 2.6.5          | 2.6.4        | 2010      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1   | 2010 | PSF | yes |
| 3.2   | 3.1   | 2010 | PSF | yes |

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)

in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  |              |           |            |                     |
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Version 2.1, February 1999

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## 1.290 tftp-hpa 0.48

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\* /tftp-ha-0-48-tar/src/tftpsubs.c

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/* -*- c -*- ----- *
```

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- \* @(#)tftpsubs.h 8.1 (Berkeley) 6/6/93
- \*/

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\* @(#)extern.h 8.1 (Berkeley) 6/6/93

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## 1.291 python-certifi 2020.12.5

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities  
(CA). These were automatically extracted from Mozilla's root certificates  
file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore  
can be directly used with curl / libcurl / php\_curl, or with  
an Apache+mod\_ssl webserver for SSL client authentication.  
Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

# 1.292 libcap 2.65

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The

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## 1.304 linux-kernel 5.15.78

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

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\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

- \* loss of link, and correctly re-enable PHY when link is
- \* re-established. (put back CFG\_PHYIE)
- \*
- \* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
- \*
- \* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
- \*
- \* Linux driver for the IDT77201 NICStAR PCI ATM controller.
- \* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
- \* see init\_nicstar() for PHY initialization to change this. This driver
- \* expects the Linux ATM stack to support scatter-gather
- lists
- \* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
- \*
- \* Implementing minimal-copy of received data:
- \* IDT always receives data into a small buffer, then large buffers
- \* as needed. This means that data must always be copied to create
- \* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
- \* Fix is simple: make large buffers large enough to hold entire
- \* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then
- \* copy small buffer contents to head of large buffer.
- \* Trick is to avoid fragmenting Linux, due to need for a lot of large
- \* buffers. This is done by 2 things:
- \* 1) skb->destructor / skb->atm.recycle\_buffer
- \* combined, allow nicstar\_free\_rx\_skb to be called to
- \* recycle large data buffers
- \* 2) skb\_clone of received buffers
- \* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation
- \* details.
- \*
- \*
- \*
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\*

\* M. Welsh, 6 July 1996

\*

\*

\*/

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## 1.305 bison 3.8.2

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That's all there is to it!  
Mathieu Desnoyers  
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:

<https://lists.lttng.org/pipermail/lttng-dev/2009-May/012835.html>

I (Mathieu Desnoyers) re-implemented ACCESS\_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7cfbfb0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his patch in an email dated May 13, 2009 :

<http://lkml.org/lkml/2009/5/13/16>

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic\_ops project:

[http://www.hpl.hp.com/research/linux/atomic\\_ops/](http://www.hpl.hp.com/research/linux/atomic_ops/)

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

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\*

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\* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

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```
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*
*/

```

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For the server\util\_md5.c component:

```

/*****
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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*
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```
*/
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* -----
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```

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For the src\lib\apr-util\xml\expat\conf\tools\install-sh component:

```
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# install - install a program, script, or datafile
# This comes from X11R5 (mit/util/scripts/install.sh).
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```

For the test\zb.c component:

```
/*          ZeusBench V1.01
=====
```

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

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For the expat xml parser component:

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type="text/css" href="/.style/css/prettify.css" />
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</div><div class="top"><a href="#page-header"></a></div><div

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<script type="text/javascript"><!--<!--><![CDATA[</><!--

var comments\_shortcode = 'httpd';

var comments\_identifier = 'http://httpd.apache.org/docs/2.4/license.html';

(function(w, d) {

if (w.location.hostname.toLowerCase() == "httpd.apache.org") {

d.write('<div id="comments\_thread"></div>');

var s = d.createElement('script');

```

s.type = 'text/javascript';
s.async = true;
s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortcode + '&page=' +
comments_identifier;
(d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
}
else {
d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
}
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href="/sitemap.html">Sitemap</a></p></div><script type="text/javascript"><!--<![CDATA[<!--
if (typeof(prettyPrint) !== 'undefined') {
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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```

The hypothetical commands `show  
w' and `show c' should show the appropriate  
parts of the General Public License. Of course, the commands you use may  
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```
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```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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```
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
Copyright @copyright{} 2007 Free Software Foundation, Inc.
```

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```
@c man end
```

@end ignore  
@node Copying  
@c man begin DESCRIPTION  
@unnumbered GNU General Public License  
@center Version 3, 29 June 2007

@c This file is intended to be included in another file.

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@smallexample

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```
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```

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@c man end

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Any

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

## HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and  
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.  
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.  
Bill Janssen (janssen@parc.xerox.com) supplied  
the SunOS dynamic loader  
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and  
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and  
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.  
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.  
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.  
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to  
a Motorola 88K processor running CX/UX (Harris NightHawk).  
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to  
nonIBM development environments (a nontrivial task).  
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.  
David Chase, then at Olivetti Research, suggested several improvements.  
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the  
code to save and print call stacks for leak detection on a SPARC.  
Jesse Hull and John Ellis supplied the C++ interface code.  
Zhong Shao performed much of the  
experimentation that led to the  
current typed allocation facility. (His dynamic type inference code hasn't  
made it into the released version of the collector, yet.)  
@ignore  
@c Set file name and title for man page.  
@setfilename gpl  
@settitle GNU General Public License  
@c man begin SEEALSO  
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@end ignore  
@node Copying  
@c man begin DESCRIPTION  
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@page  
@unnumberedsec Appendix: How to Apply  
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```
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```
@smallexample
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type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample
```

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@example

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@var{signature of Ty Coon}, 1 April 1989

Ty Coon, President of Vice

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@c man end

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For more information see the README file in the examples directory.

Directory native/fdlibm

fdlibm contains general algorithms useful for runtimes and compilers to support strict double and float mathematical operations.

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David Megginson,  
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1998-05-11

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\* m4/ax\_func\_which\_gethostbyname\_r.m4

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```
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```

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@appendixsubsec Preamble

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`@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION`

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@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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@end smallexample

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@smallexample

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@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

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@ignore

@c Set file name and title for man page.

@setfilename gfdl

@settitle GNU Free Documentation License

@c man begin SEEALSO

gpl(7), fsf-funding(7).

@c man end

@c man begin COPYRIGHT

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@c This file is intended to be included within another document,

@c hence no sectioning command or @node.

@c man end

@end ignore

@c Special handling for inclusion in the install manual.

@ifset gfdlhtml

@ifnohtml

@comment node-name, next, previous, up

@node GNU Free Documentation License, Concept Index, Old, Top

@end ifnohtml

@html

<h1 align="center">Installing GCC: GNU Free Documentation License</h1>

@end html

@ifnohtml

@unnumbered GNU Free Documentation License

@end ifnohtml

@end ifset

@c man begin DESCRIPTION

@ifclear gfdlhtml

@node GNU Free Documentation License

@unnumbered

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@end ifclear

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```
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  the Front-Cover Texts being @var{list}, and
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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

@c man end
```

## 1.325 cpp 3.2.3

### 1.325.1 Available under license :

```
# Exactly the same as t-mips-gas, except we must define SYSTEM_HEADER_DIR
# to point to the bsd43 include files.
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```



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collector. Later contributions should instead be mentioned in  
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## HISTORY -

Early versions of this collector were developed as a part of research  
projects supported in part by the National Science Foundation  
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for  
the Russell programming language implementation. The first version of the  
garbage collector was written primarily by Al Demers. It was then refined  
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,  
the University of Washington, Rice University (where it was first used for  
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant  
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in  
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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STMP\_FIXPROTO=

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## 1.326 pkix ssh 15.1

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- IDEA is no longer included, its use is deprecated

- DES is now external, in the OpenSSL library

- GMP is no longer used, and instead we call BN code from OpenSSL
- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
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former contains code derived from the library, whereas the latter must  
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# 1.331 packaging 21.0

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## 1.332 tenacity 7.0.0

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
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| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        |           |            |                     |
| 2002           | PSF          | yes       |            |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
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| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |

|       |       |           |     |     |
|-------|-------|-----------|-----|-----|
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| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
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| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
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=====

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distlib has started off using some of the code from distutil2.

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### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to

BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
| 2.4.2          | 2.4.1        | 2005      | PSF        | yes                 |
| 2.4.3          | 2.4.2        | 2006      | PSF        | yes                 |
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |
| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |
| 2.5.2          | 2.5.1        | 2008      | PSF        | yes                 |
| 2.5.3          | 2.5.2        | 2008      | PSF        | yes                 |
| 2.6            | 2.5          | 2008      | PSF        | yes                 |



|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 2.6.1 | 2.6   | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
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distlib has started off using some of the code from distutil2.

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Thanks to:

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Metadata-Version: 1.0

Name: setuptools

Version: 0.6c9

Summary: Download, build, install, upgrade, and uninstall Python packages -- easily!

Home-page: <http://pypi.org/pypi/setuptools>

Author: Phillip J. Eby

Author-email: [distutils-sig@python.org](mailto:distutils-sig@python.org)

License: PSF or ZPL

Description: =====

Installing and Using Setuptools

=====

.. contents:: \*\*Table of Contents\*\*

## ----- Installation Instructions -----

### Windows

=====

Install setuptools using the provided ``.exe`` installer. If you've previously installed older versions of setuptools, please delete all ``setuptools\*.egg`` and ``setuptools.pth`` files from your system's ``site-packages`` directory (and any other ``sys.path`` directories) FIRST.

If you are upgrading a previous version of setuptools that was installed using an ``.exe`` installer,  
please be sure to also *\*uninstall that older version\**  
via your system's "Add/Remove Programs" feature, BEFORE installing the newer version.

Once installation is complete, you will find an ``easy\_install.exe`` program in your Python ``Scripts`` subdirectory. Be sure to add this directory to your ``PATH`` environment variable, if you haven't already done so.

### RPM-Based Systems

=====

Install setuptools using the provided source RPM. The included ``.spec`` file assumes you are installing using the default ``python`` executable, and is not specific to a particular Python version. The ``easy\_install`` executable will be installed to a system ``bin`` directory such as ``/usr/bin``.

If you wish to install to a location other than the default Python installation's default ``site-packages`` directory (and ``\$prefix/bin`` for scripts), please use the ``.egg``-based  
installation approach described in the  
following section.

### Cygwin, Mac OS X, Linux, Other

=====

1. Download the appropriate egg for your version of Python (e.g. ``setuptools-0.6c9-py2.4.egg``). Do NOT rename it.
2. Run it as if it were a shell script, e.g. ``sh setuptools-0.6c9-py2.4.egg``. Setuptools will install itself using the matching version of Python (e.g. ``python2.4``), and will place the ``easy\_install`` executable in the default location for installing Python scripts (as determined by the



standard distutils configuration files, or by the Python installation).

If you want to install setuptools to somewhere other than `site-packages` or your default distutils installation locations for libraries and scripts, you may include EasyInstall command-line options such as `--prefix`, `--install-dir`, and so on, following the `.egg` filename on the same

command line. For example::

```
sh setuptools-0.6c9-py2.4.egg --prefix=~
```

You can use `--help` to get a full options list, but we recommend consulting the `EasyInstall manual` for detailed instructions, especially the section on custom installation locations.

.. `EasyInstall manual`: <http://peak.telecommunity.com/DevCenter/EasyInstall>  
.. the section on custom installation locations: <http://peak.telecommunity.com/DevCenter/EasyInstall#custom-installation-locations>

#### Cygwin Note

-----

If you are trying to install setuptools for the **Windows** version of Python (as opposed to the Cygwin version that lives in `/usr/bin`), you must make sure that an appropriate executable (`python2.3`, `python2.4`, or `python2.5`) is on your **Cygwin** `PATH` when invoking the egg. For example, doing the following at a Cygwin bash prompt will install setuptools for the **Windows** Python found at `C:\Python24`:

```
ln -s /cygdrive/c/Python24/python.exe python2.4
PATH=.:$PATH sh setuptools-0.6c9-py2.4.egg
rm python2.4
```

#### Downloads

=====

All setuptools downloads can be found at the project's home page in the Python Package Index. Scroll to the very bottom of the page to find the links.

.. the project's home page in the Python Package Index: <http://pypi.org/pypi/setuptools>

In addition to the PyPI downloads, the development version of `setuptools` is available from the `Python SVN sandbox`, and in-development versions of the `0.6 branch` are available as well.

.. `0.6 branch`: <http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06>

.. \_Python SVN sandbox: <http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev>

-----  
Using  
Setuptools and EasyInstall  
-----

Here are some of the available manuals, tutorials, and other resources for learning about Setuptools, Python Eggs, and EasyInstall:

- \* `The EasyInstall user's guide and reference manual`\_
- \* `The setuptools Developer's Guide`\_
- \* `The pkg\_resources API reference`\_
- \* `Package Compatibility Notes`\_ (user-maintained)
- \* `The Internal Structure of Python Eggs`\_

Questions, comments, and bug reports should be directed to the `distutils-sig mailing list`\_. If you have written (or know of) any tutorials, documentation, plug-ins, or other resources for setuptools users, please let us know about them there, so this reference list can be updated. If you have working, \*tested\* patches to correct problems or add features, you may submit them to the `setuptools bug tracker`\_.

.. \_setuptools bug tracker: <http://bugs.python.org/setuptools/>  
.. \_Package Compatibility Notes: <http://peak.telecommunity.com/DevCenter/PackageNotes>  
.. \_The Internal Structure of Python Eggs: <http://peak.telecommunity.com/DevCenter/EggFormats>  
.. \_The setuptools Developer's Guide: <http://peak.telecommunity.com/DevCenter/setuptools>  
.. \_The pkg\_resources API reference: <http://peak.telecommunity.com/DevCenter/PkgResources>  
.. \_The EasyInstall user's guide and reference manual: <http://peak.telecommunity.com/DevCenter/EasyInstall>  
.. \_distutils-sig mailing list: <http://mail.python.org/pipermail/distutils-sig/>

-----  
Credits  
-----

\* The original design for the ``.egg`` format and the ``pkg\_resources`` API was co-created by Phillip Eby and Bob Ippolito. Bob also implemented the first version of ``pkg\_resources``, and supplied the OS X operating system version compatibility algorithm.

\* Ian Bicking implemented many early "creature comfort" features of easy\_install, including support for downloading via Sourceforge and Subversion repositories. Ian's comments on the Web-SIG about WSGI application deployment also inspired the concept of "entry points" in eggs, and he has given talks at PyCon and elsewhere to inform and educate the

community about eggs and setuptools.

\* Jim Fulton contributed time and effort to build automated tests of various aspects of ``easy\_install``, and supplied the doctests for the command-line ``.exe`` wrappers on Windows.

\* Phillip J. Eby is the principal author and maintainer of setuptools, and first proposed the idea of an importable binary distribution format for Python application plug-ins.

\* Significant parts of the implementation of setuptools were funded by the Open Source Applications Foundation, to provide a plug-in infrastructure for the Chandler PIM application.

In addition, many OSAF staffers (such as Mike "Code Bear" Taylor) contributed their time and stress as guinea pigs for the use of eggs and setuptools, even before eggs were "cool". (Thanks, guys!)

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Platform: UNKNOWN

Classifier: Development Status :: 3 - Alpha

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## 1.340 eudev 3.2.10

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## 1.344 kerberos 1.17

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cmd/krb5/iprop/iprop_hdr.h
cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
```

lib/krb5/kdb/kdb\_convert.c  
lib/krb5/kdb/kdb\_hdr.h  
lib/krb5/kdb/kdb\_log.c  
lib/krb5/kdb/kdb\_log.h  
lib/libgss/g\_accept\_sec\_context.c  
lib/libgss/g\_acquire\_cred.c  
lib/libgss/g\_canon\_name.c  
lib/libgss/g\_compare\_name.c  
lib/libgss/g\_context\_time.c  
lib/libgss/g\_delete\_sec\_context.c  
lib/libgss/g\_dsp\_name.c  
lib/libgss/g\_dsp\_status.c  
lib/libgss/g\_dup\_name.c  
lib/libgss/g\_exp\_sec\_context.c  
lib/libgss/g\_export\_name.c  
lib/libgss/g\_glue.c  
lib/libgss/g\_imp\_name.c  
lib/libgss/g\_imp\_sec\_context.c  
lib/libgss/g\_init\_sec\_context.c  
lib/libgss/g\_initialize.c  
lib/libgss/g\_inquire\_context.c  
lib/libgss/g\_inquire\_cred.c  
lib/libgss/g\_inquire\_names.c  
lib/libgss/g\_process\_context.c  
lib/libgss/g\_rel\_buffer.c  
lib/libgss/g\_rel\_cred.c  
lib/libgss/g\_rel\_name.c  
lib/libgss/g\_rel\_oid\_set.c  
lib/libgss/g\_seal.c  
lib/libgss/g\_sign.c  
lib/libgss/g\_store\_cred.c  
lib/libgss/g\_unseal.c  
lib/libgss/g\_userok.c  
lib/libgss/g\_utils.c  
lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
uts/common/gssapi/include/gssapi\_err\_generic.h  
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c

lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation,  
including  
the following new or changed files:

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kadmin/server/ipropd\_svc.c  
lib/kdb/iprop.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
kprop/kpropd\_rpc.c  
kprop/kproplog.c

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## 1.349 python 3.10.7

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see

<https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

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|----------------|--------------|-----------|------------|---------------------|
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| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  |            |                     |
| PSF            | yes          |           |            |                     |

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```

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```

```
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Ty Coon, President of Vice
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# 1.351 openssl 0.9.8g

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## 1.356 mod-security 2.9.5

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became

Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
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| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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## 1.360 sudo 1.9.12p1

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Bates, Tom  
Behan, Zdenk  
Bellis, Ray  
Benali, Elias  
Beverly, Jamie  
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Bos, Sander

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The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

Albuquerque, Pedro  
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## 1.361 cJSON 3.6-r0

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