



Open Source Software Licenses for the ASR 5000 Series Multimedia Network Core Platform

Version 12.2

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1.5 bash 2.05b

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1.6 bc 1.06

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1.8 binutils 2.14

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Theodore Ts'o
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1.23 gdb 6.3

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1.24 glib 1.3.5

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1.25 glibc 2.2.4

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Version 2.1, February 1999

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1.26 hostapd 0.5.7

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1.27 ifenslave 1.1.0

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1.33 IPy 0.62

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1.42 libpcap 0.9.3

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1.46 libtool 2.2.6b

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1.48 libxml2 2.6.22

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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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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*
* M. Welsh, 6 July 1996
*
*
*/

```

1.50 Linux PAM 0.72

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1.51 Iksctp-tools 1.0.6

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1.52 mdadm 2.6.4

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3. [3]Viraj Bais <vbais@mailman1.intel.com> and [4]Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5
 4. [5]Michael Barone <michael,barone@lmco.com> GPSVME fixes
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 7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
 8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
 9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
 10. [11]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
 11. [12]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
 12. [13]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
 13. [14]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
 14. [15]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
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 17. [18]John Hay <jhay@icomtek.csiro.co.za> IPv6 support and testing
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 28. [31]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
 29. [32]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
 30. [33]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
 31. [34]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance
 32. [35]David L. Mills <mills@udel.edu> Version 4 foundation: clock

- discipline, authentication, precision kernel; clock drivers:
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40. [44]Wilfredo S?nchez <wsanchez@apple.com> added support for
NetInfo
41. [45]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
42. [46]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of
space on the stuff in the html/pic/ subdirectory
43. [47]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
44. [48]Michael Shields <shields@tembel.org> USNO clock driver
45. [49]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock
driver
46. [50]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure
makeover, various other bits (see the ChangeLog)
47. [51]Kenneth Stone <ken@sdd.hp.com> HP-UX port
48. [52]Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast
support
49. [53]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock
driver
50. [54]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic
TrueTime clock driver
51. [55]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and
validated HTML documents according to the HTML DTD
-

References

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <ftp://ds.internic.net/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](ftp://ds.internic.net/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](ftp://ds.internic.net/rfc/rfc1952.txt) (gzip format).

1.70 procps 3.2.6

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1.71 procps - library 3.2.6

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1.73 pyparsing 1.1.2

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/* This is a library of functions to support regular expressions whose syntax
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the file Tech.Notes for some information on the internals.

Written by: Philip Hazel <ph10@cam.ac.uk>

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* Ported to Think C: 19 Jan 1992 guido@cwil.nl

*

* This code draws many ideas from the regular expression packages by

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1.76 regex 3.8a

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1.79 setserial 2.17

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1.85 SSLeay 0.9.0b

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1.87 syslinux 3.53

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1.88 sysvinit 2.78-4

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This is the Debian GNU/Linux prepackaged version of System V Init. Init was written by Miquel van Smoorenburg <miquels@drinkel.cistron.nl>.

This package was put together by Bruce Perens <Bruce@Pixar.com> from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> has integrated debian support into the base package.

Changes:

29-January-1995 Bruce Perens <Bruce@Pixar.com>

Added Debian GNU/Linux package maintenance system files.

25-February-1995 Ian Murdock <imurdock@debian.org>

Finished integration of Sys V Init into the base system.

28-December-1995 Miquel van Smoorenburg <miquels@cistron.nl>

Added debian support to sysvinit.

For further changes see the ChangeLog file.

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1.103 XML-RPC for C/C++ 1.06.38

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1.104 Zlib 1.1.4

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.1.4, March 11th, 2002
```

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <ftp://ds.internic.net/rfc/rfc1950.txt>

(zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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1.105 zlib 1.1.3

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1.106 zlib 1.2.3

1.106.1 Available under license :

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005

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