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## Contents

1.1 busybox 1.21.0	
1.1.1 Available under license	
1.2 curl 7.26.0	
1.2.1 Available under license	
1.3 dnsmasq 2.46	
1.3.1 Available under license	
1.4 glibc 2.13	
1.4.1 Available under license	
1.5 libxml2 2.7.3	
1.5.1 Available under license	
1.6 libxml2 2.9.9	
1.6.1 Available under license	
1.7 linux 3.12.33	
1.7.1 Available under license	
1.8 mongoose 3.1	
1.8.1 Available under license	
1.9 openssh 5.6	
1.9.1 Available under license	
1.10 OpenSSL 1.0.2o	
1.10.1 Notifications	
1.10.2 Available under license	
1.11 OpenSSL patch to 0.9.8 branc	h to add RFC5649 (key wrap with pad) 1.0
1.11.1 Notifications	
1.11.2 Available under license	
1.12 Roundtable zLib 1.2.3	
1.12.1 Available under license	

#### 1.13 u-boot 2009.06

1.13.1 Available under license

#### 1.14 xinetd 2.3.15

1.14.1 Available under license

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Julian Seward, Cambridge, UK. jseward@bzip.org bzip2/libbzip2 version 1.0.4 of 20 December 2006

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#### README

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# 1.5 libxml2 2.7.3

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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.]

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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.

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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.

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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.

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Appendix: How to Apply These Terms to Your New Libraries

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

That's all there is to it!

/\* 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

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* details.
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* M. Welsh, 6 July 1996
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\*

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*
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## 1.8 mongoose 3.1

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\*

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\*

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