

<h3>Software Quellcode</h3>

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```
.....  
      glibc-2.23: ./COPYING file  
.....
```

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Version 2, June 1991

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```
.....  
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.....
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ncurses-5.9: README file  
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-- \$Id: README,v 1.23 2006/04/22 22:19:37 tom Exp \$

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#### README file for the ncurses package

See the file ANNOUNCE for a summary of ncurses features and ports. See the file INSTALL for instructions on how to build and install ncurses. See the file NEWS for a release history and bug-fix notes. See the file TO-DO for things that still need doing, including known bugs.

Browse the file misc/ncurses-intro.html for narrative descriptions of how to use ncurses and the panel, menu, and form libraries.

Browse the file doc/html/hackguide.html for a tour of the package internals.

#### ROADMAP AND PACKAGE OVERVIEW:

You should be reading this file in a directory called: ncurses-d.d, where d.d is the current version number (see the dist.mk file in this directory for that). There should be a number of subdirectories, including `c++', `form', `man', `menu', `misc', `ncurses', `panel', `progs', `test', `tack' and `Ada95'. (The `tack' program may be distributed separately).

A full build/install of this package typically installs several libraries, a handful of utilities, and a database hierarchy. Here is an inventory of the pieces:

The libraries are:

libncurses.a	(normal)
libncurses.so	(shared)
libncurses_g.a	(debug and trace code enabled)

libncurses_p.a	(profiling enabled)
libpanel.a	(normal)
libpanel.so	(shared)
libpanel_g.a	(debug and trace code enabled)
libmenu.a	(normal)
libmenu.so	(shared)
libmenu_g.a	(debug enabled)
libform.a	(normal)
libform.so	(shared)
libform_g.a	(debug enabled)

If you configure using the `--enable-widenc` option, a "w" is appended to the library names (e.g., `libncursesw.a`), and the resulting libraries support wide-characters, e.g., via a UTF-8 locale. The corresponding header files are compatible with the non-wide-character configuration; wide-character features are provided by `ifdef`'s in the header files. The wide-character library interfaces are not binary-compatible with the non-wide-character version.

The `ncurses` libraries implement the `curses` API. The `panel`, `menu` and `forms` libraries implement clones of the SVr4 `panel`, `menu` and `forms` APIs. The source code for these lives in the ``ncurses'`, ``panel'`, ``menu'`, and ``form'` directories respectively.

In the ``c++'` directory, you'll find code that defines an interface to the `curses`, `forms`, `menus` and `panels` library packaged as C++ classes, and a demo program in C++ to test it. These class definition modules are not installed by the `'make install.libs'` rule as `libncurses++`.

In the ``Ada95'` directory, you'll find code and documentation for an Ada95 binding of the `curses` API, to be used with the GNAT compiler. This binding is built by a normal top-level ``make'` if `configure` detects an usable version of GNAT (3.11 or above). It is not installed automatically. See the `Ada95` directory for more build and installation instructions and for documentation of the binding.

To do its job, the `ncurses` code needs your terminal type to be set in the environment variable `TERM` (normally set by your OS; under UNIX, `getty(1)` typically does this, but you can override it in your `.profile`); and, it needs a database of terminal descriptions in which to look up your terminal type's capabilities.

In older (V7/BSD) versions of `curses`, the database was a flat text file, `/etc/termcap`; in newer (USG/USL) versions, the database is a hierarchy of fast-loading binary description blocks under `/usr/lib/terminfo`. These binary blocks are compiled from an improved editable text representation called ``terminfo'` format (documented in `man/terminfo.5`). The `ncurses` library can use either `/etc/termcap` or the compiled binary `terminfo` blocks, but prefers the second form.

In the `misc' directory, there is a text file terminfo.src, in editable terminfo format, which can be used to generate the terminfo binaries (that's what make install.data does). If the package was built with the --enable-termcap option enabled, and the ncurses library cannot find a terminfo description for your terminal, it will fall back to the termcap file supplied with your system (which the ncurses package installation leaves strictly alone).

The utilities are as follows:

tic	-- terminfo source to binary compiler
infocmp	-- terminfo binary to source decompiler/ comparator
clear	-- emits clear-screen for current terminal
tput	-- shell-script access to terminal capabilities.
toe	-- table of entries utility
tset	-- terminal-initialization utility

The first two (tic and infocmp) are used for manipulating terminfo descriptions; the next two (clear and tput) are for use in shell scripts. The last (tset) is provided for 4.4BSD compatibility. The source code for all of these lives in the `progs' directory.

Detailed documentation for all libraries and utilities can be found in the `man' and `doc' directories. An HTML introduction to ncurses, panels, and menu programming lives in the `doc/html' directory. Manpages in HTML format are under `doc/html/man'.

The `test' directory contains programs that can be used to verify or demonstrate the functions of the ncurses libraries. See test/README for descriptions of these programs. Notably, the `ncurses' utility is designed to help you systematically exercise the library functions.

#### AUTHORS:

Pavel Curtis: wrote the original ncurses

Zeyd M. Ben-Halim: port of original to Linux and many enhancements.

Thomas Dickey (maintainer for 1.9.9g through 4.1, resuming with FSF's 5.0): configuration scripts, porting, mods to adhere to XSI Curses in the areas of background color, terminal modes. Also memory leak testing, the wresize, default colors and key definition extensions and numerous bug fixes (more than half of those enumerated in NEWS beginning with the internal release 1.8.9).

Florian La Roche (official maintainer for FSF's ncurses 4.2) Beginning with release 4.2, ncurses is distributed under an MIT-style license.

Eric S. Raymond: the man pages, infocmp(1), tput(1), clear(1), captinfo(1), tset(1), toe(1), most of tic(1), trace levels, the

HTML intro, wgetnstr() and many other entry points, the cursor-movement optimization, the scroll-pack optimizer for vertical motions, the mouse interface and xterm mouse support, and the ncurses test program.

Juergen Pfeifer

The menu and form libraries, C++ bindings for ncurses, menus, forms and panels, as well as the Ada95 binding. Ongoing support for panel.

#### CONTRIBUTORS:

Alexander V. Lukyanov

for numerous fixes and improvements to the optimization logic.

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the C++ code.

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Keith Bostic (maintainer of 4.4BSD curses)

for help, criticism, comments, bug-finding, and being willing to

deep-six BSD curses for this one when it grew up.

Richard Stallman,

for his commitment to making ncurses free software.

Countless other people have contributed by reporting bugs, sending fixes, suggesting improvements, and generally whining about ncurses :-)

#### BUGS:

See the INSTALL file for bug and developer-list addresses. The Hacker's Guide in the doc directory includes some guidelines on how to report bugs in ways that will get them fixed most quickly.

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#### THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

University of Cambridge Computing Service, Cambridge, England.

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End

zlib-1.2.8: README file

ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.8 is a general purpose data compression library. All the code is thread safe. The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

All functions of the compression library are documented in the file `zlib.h` (volunteer to write man pages welcome, contact [zlib@gzip.org](mailto:zlib@gzip.org)). A usage example of the library is given in the file `test/example.c` which also tests that the library is working correctly. Another example is given in the file `test/minigzip.c`. The compression library itself is composed of all source files in the

root directory.

To compile all files and run the test program, follow the instructions given at the top of Makefile.in. In short `./configure; make test`, and if that goes well, `make install` should work for most flavors of Unix. For Windows, use one of the special makefiles in `win32/` or `contrib/vstudio/`. For VMS, use `make_vms.com`.

Questions about zlib should be sent to `<zlib@gzip.org>`, or to Gilles Vollant `<info@winimage.com>` for the Windows DLL version. The zlib home page is <http://zlib.net/>. Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ [http://zlib.net/zlib\\_faq.html](http://zlib.net/zlib_faq.html) before asking for help.

Mark Nelson `<markn@ieee.org>` wrote an article about zlib for the Jan. 1997 issue of Dr. Dobb's Journal; a copy of the article is available at <http://marknelson.us/1997/01/01/zlib-engine/>.

The changes made in version 1.2.8 are documented in the file `ChangeLog`.

Unsupported third party contributions are provided in directory `contrib/`.

zlib is available in Java using the `java.util.zip` package, documented at <http://java.sun.com/developer/technicalArticles/Programming/compression/>.

A Perl interface to zlib written by Paul Marquess `<pmqs@cpan.org>` is available at CPAN (Comprehensive Perl Archive Network) sites, including <http://search.cpan.org/~pmqs/IO-Compress-Zlib/>.

A Python interface to zlib written by A.M. Kuchling `<amk@amk.ca>` is available in Python 1.5 and later versions, see <http://docs.python.org/library/zlib.html>.

zlib is built into tcl: <http://wiki.tcl.tk/4610>.

An experimental package to read and write files in `.zip` format, written on top of zlib by Gilles Vollant `<info@winimage.com>`, is available in the `contrib/minizip` directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see `win32/DLL_FAQ.txt`
- For 64-bit Irix, `deflate.c` must be compiled without any optimization. With `-O`, one `libpng` test fails. The test works in 32 bit mode (with the `-n32` compiler flag). The compiler bug has been



reported to SGI.

- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.

- On Digital Unix 4.0D (formerly OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.

- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.

- gzdopen is not supported on RISCOS or BEOS.

- For PalmOs, see <http://palmzlib.sourceforge.net/>

#### Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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

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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.

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"Source code" for a work means the preferred form of the work for

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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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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 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.

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.....  
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.....

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```
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e2fsprogs-1.43.1: lib/ss/mit-sipb-copyright.h file  
.....
```

```
/*
```

```
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```

```
*/
```

```
.....  
e2fsprogs-1.43.1: lib/et/internal.h file  
.....
```

```
/*
```

```
* internal include file for com_err package  
*  
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*/
```

```
#include <errno.h>
```

```
#ifdef NEED_SYS_ERRLIST  
extern char const * const sys_errlist[];  
extern const int sys_nerr;  
#endif
```

```
.....
```

e2tools-3158ef18a903ca4a98b8fa220c9fc5c133d8bdf6: COPYING  
file  
:.....

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Version 2, June 1991

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```
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`show w'.
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```

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```
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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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.....

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- lib/libf2fs.c
- lib/libf2fs\_io.c
- mkfs/f2fs\_format.c
- mkfs/f2fs\_format\_main.c
- mkfs/f2fs\_format\_utils.c
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```

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`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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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.

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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.

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.

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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, 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.

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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.)

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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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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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time

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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

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

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means  
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based  
on the Library (independent of the use of the Library in a tool for  
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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 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.

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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

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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.

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#### 1. Source Code.

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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 "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means

all  
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to  
control those activities. However, it does not include the work's  
System Libraries, or general-purpose tools or generally available  
free  
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linked subprograms that the work is specifically designed to  
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7. This requirement modifies the requirement in section 4 to

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additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

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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

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```
.....  
libksba-1.3.4: AUTHORS file  
.....
```

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GNUTLS Fabio Fiorina 2001-06-19  
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(asn1-parse.y, asn1-func.[ch])

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File: atmsar11.fw

Licence: Allegedly GPLv2+, but no source visible. Marked:

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Driver: snd-korg1212 -- Korg 1212 IO audio device

File: korg/k1212.dsp

Licence: Unknown

Found in alsa-firmware package in hex form; no licensing  
information.

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Driver: snd-maestro3 -- ESS Allegro Maestro3 audio device

File: ess/maestro3\_assp\_kernel.fw  
File: ess/maestro3\_assp\_minisrc.fw

Licence: Unknown

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"ESS  
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Driver: snd-ymfpci -- Yamaha YMF724/740/744/754 audio devices

File: yamaha/ds1\_ctrl.fw  
File: yamaha/ds1\_dsp.fw  
File: yamaha/ds1e\_ctrl.fw

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Driver: advansys - AdvanSys SCSI

File: advansys/mcode.bin  
File: advansys/3550.bin  
File: advansys/38C0800.bin  
File: advansys/38C1600.bin

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Found in hex form in kernel source.

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Driver: qla1280 - Qlogic QLA 1240/1x80/1x160 SCSI support

File: qlogic/1040.bin  
File: qlogic/1280.bin  
File: qlogic/12160.bin

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Driver: smctr -- SMC ISA/MCA Token Ring adapter

File: tr\_smctr.bin  
Version: 6.3C1  
Info: MCT.BIN v6.3C1 03/01/95

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Driver: kaweth -- USB KLSI KL5USB101-based Ethernet device

File: kaweth/new\_code.bin  
File: kaweth/new\_code\_fix.bin  
File: kaweth/trigger\_code.bin  
File: kaweth/trigger\_code\_fix.bin

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Found in hex form in the kernel source.

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Driver: dvb-ttusb-budget -- Technotrend/Hauppauge Nova-USB devices

File: ttusb-budget/dspbootcode.bin

Licence: Unknown

Found in hex form in the kernel source.

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Driver: keyspan -- USB Keyspan USA-xxx serial device

File: keyspan/mpr.fw

File: keyspan/usa18x.fw

File: keyspan/usa19.fw

File: keyspan/usa19qi.fw

File: keyspan/usa19qw.fw

File: keyspan/usa19w.fw

File: keyspan/usa28.fw

File: keyspan/usa28xa.fw

File: keyspan/usa28xb.fw

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File: keyspan/usa49w.fw

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---

Driver: keyspan\_pda -- USB Keyspan PDA single-port serial device

File: keyspan\_pda/keyspan\_pda.fw  
Source: keyspan\_pda/keyspan\_pda.S

File: keyspan\_pda/xircom\_pgs.fw  
Source: keyspan\_pda/xircom\_pgs.S

Source: keyspan\_pda/Makefile

Licence: GPLv2+

Compiled from original 8051 source into Intel HEX, used in our binary ihex form.

---

Driver: emi26 -- EMI 2|6 USB Audio interface

File: emi26/bitstream.fw  
Version: 1.1.1.131  
Info: DATE=2001dec06

File: emi26/firmware.fw  
Version: 1.0.2.916  
Info: DATE=12.02.2002

File: emi26/loader.fw

Converted from Intel HEX files, used in our binary representation of ihex.

Original licence information:

```
/*
 * This firmware is for the Emagic EMI 2|6 Audio Interface
 *
 * The firmware contained herein is Copyright (c) 1999-2002 Emagic
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\*/

---

Driver: emi62 -- EMI 6|2m USB Audio interface

File: emi62/bitstream.fw  
Version: 1.0.0.191  
Info: DATE= 2002oct28

File: emi62/loader.fw  
Source: EMILOAD.HEX  
Version: 1.0.2.002  
Info: DATE=10.01.2002

File: emi62/midi.fw  
Source: EMI62MFW.HEX  
Version: 1.04.062  
Info: DATE=16.10.2002

File: emi62/spdif.fw  
Source: EMI62SFW.HEX  
Version: 1.04.062  
Info: DATE=16.10.2002

Converted from Intel HEX files, used in our binary representation of  
ihex.

Original licence information: None

---

Driver: ti\_usb\_3410\_5052 -- USB TI 3410/5052 serial device

File: ti\_3410.fw  
Info: firmware 9/10/04 FW3410\_Special\_StartWdogOnStartPort

File: ti\_5052.fw  
Info: firmware 9/18/04

Licence: Allegedly GPLv2+, but no source visible. Marked:



Copyright (C) 2004 Texas Instruments

Found in hex form in kernel source.

-----  
-----

Driver: ti\_usb\_3410\_5052 -- Multi-Tech USB cell modems

File: mts\_cdma.fw

File: mts\_gsm.fw

File: mts\_edge.fw

Licence: "all firmware components are redistributable in binary form"

per support@multitech.com

Copyright (C) 2005 Multi-Tech Systems, Inc.

Found in hex form in ftp://ftp.multitech.com/wireless/  
wireless\_linux.zip

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Driver: ti\_usb\_3410\_5052 -- Multi-Tech USB fax modems

File: mts\_mt9234mu.fw

File: mts\_mt9234zba.fw

Licence: Unknown

-----  
-----

Driver: whiteheat -- USB ConnectTech WhiteHEAT serial device

File: whiteheat.fw

Version: 4.06

File: whiteheat\_loader.fw

Licence: Allegedly GPLv2, but no source visible. Marked:

Copyright (C) 2000-2002 ConnectTech Inc

Debug loader claims the following behaviour:

Port 1 LED flashes when the vend\_ax program is running

Port 2 LED flashes when any SETUP command arrives

Port 3 LED flashes when any valid VENDOR request occurs

Port 4 LED flashes when the EXTERNAL RAM DOWNLOAD request

occurs

Converted from Intel HEX files, used in our binary representation of ihex.

---

Driver: ip2 -- Computone IntelliPort Plus serial device

File: intelliport2.bin

Licence: Unknown

Found in hex form in kernel source.

---

Driver: cpia2 -- cameras based on Vision's CPiA2

File: cpia2/stv0672\_vp4.bin

Licence: Allegedly GPLv2+, but no source visible. Marked:

Copyright (C) 2001 STMicroelectronics, Inc.

Contact: [steve.miller@st.com](mailto:steve.miller@st.com)

Description: This file contains patch data for the CPiA2 (stv0672) VP4.

Found in hex form in kernel source.

---

Driver: dabusb -- Digital Audio Broadcasting (DAB) Receiver for USB and Linux

File: dabusb/firmware.fw

File: dabusb/bitstream.bin

Licence: Distributable

\* Copyright (C) 1999 BayCom GmbH  
\*  
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\* modification, are permitted provided that redistributions of  
\* source  
\* code retain the above copyright notice and this comment without  
\* modification.

---

Driver: vicam -- USB 3com HomeConnect (aka vicam)

File: vicam/firmware.fw

Licence: Unknown

Found in hex form in kernel source.

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Driver: io\_edgeport - USB Inside Out Edgeport Serial Driver

File: edgeport/boot.fw  
File: edgeport/boot2.fw  
File: edgeport/down.fw  
File: edgeport/down2.fw

Licence: Allegedly GPLv2+, but no source visible. Marked:  
/\*\*\*\*\*  
/\* Edgeport/4 Binary Image  
/\* Generated by HEX2C v1.06  
/\* Copyright (C) 1998 Inside Out Networks, All rights reserved.  
/\*\*\*\*\*

Found in hex form in kernel source.

-----  
-----

Driver: io\_ti - USB Inside Out Edgeport Serial Driver  
(TI Devices)

File: edgeport/down3.bin

Licence:  
/\*\*\*\*\*  
/\* Edgeport Binary Image (for TI based products)  
/\* Generated by TIBin2C v2.00 (watchport)  
/\* Copyright (C) 2001 Inside Out Networks, All rights reserved.  
/\*\*\*\*\*

Found in hex form in kernel source.

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Driver: dsp56k - Atari DSP56k support

File: dsp56k/bootstrap.bin  
Source: dsp56k/bootstrap.asm  
Source: dsp56k/Makefile  
Source: dsp56k/concat-bootstrap.pl

Licence: GPLv2 or later

DSP56001 assembler, buildable with a56 from  
<http://www.zdomain.com/a56.html>

---

Driver: snd-sb16-csp – Sound Blaster 16/AWE CSP support

File: sb16/mulaw\_main.csp  
File: sb16/alaw\_main.csp  
File: sb16/ima\_adpcm\_init.csp  
File: sb16/ima\_adpcm\_playback.csp  
File: sb16/ima\_adpcm\_capture.csp

Licence: Allegedly GPLv2+, but no source visible. Marked:

```
/*  
 * Copyright (c) 1994 Creative Technology Ltd.  
 * Microcode files for SB16 Advanced Signal Processor  
*/
```

Found in hex form in kernel source.

---

Driver: qla2xxx – QLogic QLA2XXX Fibre Channel

File: ql2100\_fw.bin  
Version: 1.19.38 TP  
File: ql2200\_fw.bin  
Version: 2.02.08 TP  
File: ql2300\_fw.bin  
Version: 3.03.28 IPX  
File: ql2322\_fw.bin  
Version: 3.03.28 IPX  
File: ql2400\_fw.bin  
Version: 8.03.00 MID  
File: ql2500\_fw.bin  
Version: 8.03.00 MIDQ

Licence: Redistributable. See LICENCE.qla2xxx for details

Available from <http://ldriver.qlogic.com/firmware/>

---

Driver: orinoco – Agere/Prism/Symbol Orinoco support

File: agere\_sta\_fw.bin  
Version: 9.48 Hermes I  
File: agere\_ap\_fw.bin  
Version: 9.48 Hermes I

Licence: Redistributable. See LICENCE.agere for details

---

-----  
Driver: ar9170 - Atheros 802.11n "otus" USB

File: ar9170-1.fw  
File: ar9170-2.fw

Licence: Redistributable. See LICENCE.atheros\_firmware for details  
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Driver: ath9k\_htc - Atheros HTC devices (USB)

File: ar9271.fw  
File: ar7010.fw  
File: ar7010\_1\_1.fw  
File: htc\_9271.fw  
Version: 1.3.1  
File: htc\_7010.fw  
Version: 1.3.1

Licence: Redistributable. See LICENCE.atheros\_firmware for details

File: ath9k\_htc/htc\_7010-1.4.0.fw  
Version: 1.4.0  
File: ath9k\_htc/htc\_9271-1.4.0.fw  
Version: 1.4.0

Licence: Redistributable (full source code is available under free software licences). See LICENCE.open-ath9k-htc-firmware for details  
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Driver: cassini - Sun Cassini

File: sun/cassini.bin

Licence: Unknown

Found in hex form in kernel source.  
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Driver: slicoss - Alacritech IS-NIC products

File: slicoss/gbdownload.sys  
File: slicoss/gbrcvucode.sys  
File: slicoss/oasisdbgdownload.sys  
File: slicoss/oasisdownload.sys  
File: slicoss/oasisrcvucode.sys

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-----

Driver: sxg – Alacritech IS-NIC products

File: sxg/saharadownloadB.sys

File: sxg/saharadbgdownloadB.sys

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-----  
-----  
Driver: cxgb3 - Chelsio Terminator 3 1G/10G Ethernet adapter

File: cxgb3/t3b\_psram-1.1.0.bin  
File: cxgb3/t3c\_psram-1.1.0.bin  
File: cxgb3/t3fw-7.0.0.bin  
File: cxgb3/t3fw-7.1.0.bin  
File: cxgb3/t3fw-7.4.0.bin  
File: cxgb3/t3fw-7.10.0.bin  
File: cxgb3/t3fw-7.12.0.bin

Licence: GPLv2 or OpenIB.org BSD license, no source visible  
-----  
-----

Driver: cxgb3 - Chelsio Terminator 3 1G/10G Ethernet adapter

File: cxgb3/ael2005\_opt\_edc.bin  
File: cxgb3/ael2005\_twx\_edc.bin  
File: cxgb3/ael2020\_twx\_edc.bin

Licence:

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Found in hex form in kernel source.  
-----  
-----

Driver: cxgb4 - Chelsio Terminator 4/5 1G/10/40G Ethernet adapter

File: cxgb4/t4fw-1.14.4.0.bin  
Link: cxgb4/t4fw.bin -> t4fw-1.14.4.0.bin  
File: cxgb4/t5fw-1.14.4.0.bin  
Link: cxgb4/t5fw.bin -> t5fw-1.14.4.0.bin  
File: cxgb4/aq1202\_fw.cld  
File: cxgb4/bcm8483.bin

Licence: Redistributable. See LICENCE.chelsio\_firmware for details  
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-----

Driver: e100 -- Intel PRO/100 Ethernet NIC

File: e100/d101m\_ucose.bin  
File: e100/d101s\_ucose.bin  
File: e100/d102e\_ucose.bin

Licence: Redistributable. See LICENCE.e100 for details

---

Driver: acenic -- Alteon AceNIC Gigabit Ethernet card

File: acenic/tg1.bin  
File: acenic/tg2.bin

Licence: Unknown

Found in hex form in kernel source, but source allegedly available  
at  
<http://alteon.shareable.org/>

---

Driver: tg3 -- Broadcom Tigon3 based gigabit Ethernet cards

File: tigon/tg3.bin  
File: tigon/tg3\_tso.bin  
File: tigon/tg3\_tso5.bin  
File: tigon/tg357766.bin

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---

Driver: starfire - Adaptec Starfire/DuraLAN support

File: adaptec/starfire\_rx.bin  
File: adaptec/starfire\_tx.bin

Licence: Allegedly GPLv2, but no source visible.

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---

Driver: i2400m-usb - Intel 2400 Wireless WiMAX Connection over USB

File: i2400m-fw-usb-1.4.sbcf  
File: i2400m-fw-usb-1.5.sbcf  
File: i6050-fw-usb-1.5.sbcf

Licence: Redistributable. See LICENCE.i2400m for details

Also available from <http://linuxwimax.org/Download>

---

Driver: libertas - Marvell Libertas fullmac-type 802.11b/g cards

File: libertas/cf8381.bin  
File: libertas/cf8381\_helper.bin  
File: libertas/cf8385.bin  
File: libertas/cf8385\_helper.bin  
File: libertas/gspi8682.bin  
File: libertas/gspi8682\_helper.bin  
File: libertas/gspi8686\_v9.bin  
File: libertas/gspi8686\_v9\_helper.bin  
File: libertas/gspi8688.bin  
File: libertas/gspi8688\_helper.bin  
File: libertas/sd8385.bin  
File: libertas/sd8385\_helper.bin  
File: libertas/sd8682.bin  
File: libertas/sd8682\_helper.bin  
File: libertas/sd8686\_v8.bin  
File: libertas/sd8686\_v8\_helper.bin  
File: libertas/sd8686\_v9.bin  
File: libertas/sd8686\_v9\_helper.bin  
File: libertas/usb8388\_v5.bin  
File: libertas/usb8388\_v9.bin  
File: libertas/usb8682.bin

File: mrvl/sd8688.bin  
Link: libertas/sd8688.bin -> ../mrvl/sd8688.bin  
File: mrvl/sd8688\_helper.bin  
Link: libertas/sd8688\_helper.bin -> ../mrvl/sd8688\_helper.bin

Licence: Redistributable. See LICENCE.Marvell for details.  
Extracted from  
Linux driver tarballs downloaded from Marvell's "Extranet" with  
permission.

---

Driver: libertas - Marvell Libertas 802.11b/g cards, OLPC firmware

File: libertas/lbtf\_sdio.bin  
Version: 9.0.7.p4

File: lbtf\_usb.bin  
Version: 5.132.3.p1

File: libertas/usb8388\_olpc.bin  
Version: 5.110.22.p23

Licence: Redistributable. See LICENCE.OLPC for details.

Available from <http://dev.laptop.org/pub/firmware/libertas/>

---

Driver: mwl8k - Marvell Libertas softmac-type 802.11b/g/n cards

File: mwl8k/fmimage\_8687.fw  
File: mwl8k/helper\_8687.fw  
File: mwl8k/fmimage\_8366.fw  
File: mwl8k/fmimage\_8366\_ap-1.fw  
File: mwl8k/fmimage\_8366\_ap-2.fw  
File: mwl8k/fmimage\_8366\_ap-3.fw  
Version: 5.2.8.16  
File: mwl8k/helper\_8366.fw

File: mwl8k/fmimage\_8764\_ap-1.fw  
Version: 7.4.0.9

Licence: Redistributable. See LICENCE.Marvell for details. 8687  
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downloaded from Marvell's "Extranet" with permission. 8366 images  
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Driver: mwifiex - Marvell Wi-Fi fullmac-type 802.11n/ac cards

File: mrvl/sd8787\_uapsta.bin  
Version: 14.66.35.p52

File: mrvl/usb8766\_uapsta.bin  
Version: 14.68.22.p16

File: mrvl/sd8797\_uapsta.bin  
Version: 14.66.11.p151

File: mrvl/usb8797\_uapsta.bin  
Version: 14.68.29.p49

File: mrvl/sd8897\_uapsta.bin  
Version: 15.68.7.p53

File: mrvl/usb8897\_uapsta.bin  
Version: 15.68.4.p103

File: mrvl/pcie8897\_uapsta.bin  
Version: 15.68.7.p53

File: mrvl/sd8887\_uapsta.bin  
Version: 15.68.7.p5

File: mrvl/sd8801\_uapsta.bin  
Version: 14.68.36.p60

File: mrvl/usb8801\_uapsta.bin  
Version: 14.68.36.p60

Licence: Redistributable. See LICENCE.Marvell for details.  
Originates from  
<http://git.marvell.com/?p=mwifiex-firmware.git>

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Driver: iwlwifi - Intel Wireless Wifi

File: iwlwifi-3945-2.ucode  
Version: 15.32.2.9

File: iwlwifi-4965-2.ucode  
Version: 228.61.2.24

File: iwlwifi-5000-1.ucode  
Version: 5.4.A.11 (aka 5.4.1.16)

File: iwlwifi-5000-2.ucode  
Version: 8.24.2.12

File: iwlwifi-5000-5.ucode  
Version: 8.83.5.1

File: iwlwifi-5150-2.ucode  
Version: 8.24.2.2

File: iwlwifi-1000-3.ucode  
Version: 128.50.3.1

File: iwlwifi-1000-5.ucode  
Version: 39.31.5.1

File: iwlwifi-6000-4.ucode  
Version: 9.221.4.1

File: iwlwifi-6050-4.ucode  
Version: 9.201.4.1

File: iwlwifi-6050-5.ucode  
Version: 41.28.5.1

File: iwlwifi-6000g2a-5.ucode  
Version: 17.168.5.3

File: iwlwifi-6000g2a-6.ucode  
Version: 18.168.6.1

File: iwlwifi-6000g2b-5.ucode  
Version: 17.168.5.1

File: iwlwifi-6000g2b-6.ucode  
Version: 18.168.6.1

File: iwlwifi-135-6.ucode  
Version: 18.168.6.1

File: iwlwifi-100-5.ucode  
Version: 39.31.5.1

File: iwlwifi-105-6.ucode  
Version: 18.168.6.1

File: iwlwifi-2030-6.ucode  
Version: 18.168.6.1

File: iwlwifi-2000-6.ucode  
Version: 18.168.6.1

File: iwlwifi-7260-7.ucode  
Version: 22.1.7.0

File: iwlwifi-7260-8.ucode  
Version: 22.24.8.0

File: iwlwifi-7260-9.ucode  
Version: 25.228.9.0

File: iwlwifi-7260-10.ucode  
Version: 23.15.10.0

File: iwlwifi-7260-12.ucode  
Version: 25.17.12.0

File: iwlwifi-7260-13.ucode  
Version: 25.30.13.0

File: iwlwifi-7260-16.ucode  
Version 16.242414.0

File: iwlwifi-3160-7.ucode  
Version: 22.1.7.0

File: iwlwifi-3160-8.ucode  
Version: 22.24.8.0

File: iwlwifi-3160-9.ucode  
Version: 25.228.9.0

File: iwlwifi-3160-10.ucode  
Version: 23.15.10.0

File: iwlwifi-3160-12.ucode  
Version: 25.17.12.0

File: iwlwifi-3160-13.ucode  
Version: 25.30.13.0

File: iwlwifi-3160-16.ucode  
Version 16.242414.0

File: iwlwifi-7265-8.ucode  
Version: 22.24.8.0

File: iwlwifi-7265-9.ucode  
Version: 25.228.9.0

File: iwlwifi-7265-10.ucode  
Version: 23.15.10.0

File: iwlwifi-7265-12.ucode  
Version: 25.17.12.0

File: iwlwifi-7265-13.ucode  
Version: 25.30.13.0

File: iwlwifi-7265-16.ucode  
Version 16.242414.0

File: iwlwifi-7265D-10.ucode  
Version: 23.15.10.0

File: iwlwifi-7265D-12.ucode  
Version: 25.17.12.0

File: iwlwifi-7265D-13.ucode  
Version: 25.30.13.0

File: iwlwifi-7265D-16.ucode  
Version 16.242414.0

File: iwlwifi-7265D-21.ucode  
Version 21.302800.0

File: iwlwifi-3168-21.ucode  
Version 21.302800.0

File: iwlwifi-8000C-13.ucode  
Version: 25.30.13.0

File: iwlwifi-8000C-16.ucode  
Version 16.242414.0

File: iwlwifi-8000C-21.ucode  
Version 21.302800.0

File: iwlwifi-8265-21.ucode  
Version 21.302800.0

Licence: Redistributable. See LICENCE.iwlwifi\_firmware for details

Also available from <http://wireless.kernel.org/en/users/Drivers/iwlwifi#Firmware>

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-----  
Driver: cx231xx - Conexant Cx23100/101/102 USB broadcast A/V decoder

File: v4l-cx231xx-avcore-01.fw

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-----  
Driver: tehuti - Tehuti Networks 10G Ethernet

File: tehuti/bdx.bin

Licence:

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Found in hex form in kernel source.

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Driver: typhoon - 3cr990 series Typhoon

File: 3com/typhoon.bin

Licence:

/\*

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IN  
\* COMBINATION WITH THE 3c990img.h MICROCODE SOFTWARE  
\*/

Found in hex form in kernel source.

---

Driver: yam - YAM driver for AX.25

File: yam/1200.bin

File: yam/9600.bin

Licence:

\* (C) F6FBB 1998

Found in hex form in kernel source.

---

Driver: 3c359 - 3Com 3C359 Token Link Velocity XL adapter

File: 3com/3C359.bin

Licence:

/\*

\* The firmware this driver downloads into the tokenring card is a  
\* separate program and is not GPL'd source code, even though the  
Linux

\* side driver and the routine that loads this data into the card



are.

```
*
* This firmware is licensed to you strictly for use in conjunction
* with the use of 3Com 3C359 TokenRing adapters. There is no
* warranty expressed or implied about its fitness for any purpose.
*/
/* 3c359_microcode.mac: 3Com 3C359 Tokenring microcode.
*
* Notes:
* - Loaded from xl_init upon adapter initialization.
*
* Available from 3Com as part of their standard 3C359 driver.
*/
```

Found in hex form in kernel source.

-----  
-----

Driver: pcnet\_cs - NE2000 compatible PCMCIA adapter

```
File: cis/LA-PCM.cis
File: cis/PCMLM28.cis
File: cis/DP83903.cis
File: cis/NE2K.cis
File: cis/tamarack.cis
File: cis/PE-200.cis
File: cis/PE520.cis
Source: cis/src/LA-PCM.cis
Source: cis/src/PCMLM28.cis
Source: cis/src/DP83903.cis
Source: cis/src/NE2K.cis
Source: cis/src/tamarack.cis
Source: cis/src/PE-200.cis
Source: cis/src/PE520.cis
```

Licence: Dual GPLv2/MPL

Originally developed by the pcmcia-cs project  
Copyright (C) 1998, 1999, 2000 David A. Hinds

-----  
-----

Driver: 3c589\_cs - 3Com PCMCIA adapter

```
File: cis/3CXEM556.cis
Source: cis/src/3CXEM556.cis
```

Licence: Dual GPLv2/MPL

Originally developed by the pcmcia-cs project  
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---

Driver: 3c574\_cs - 3Com PCMCIA adapter

File: cis/3CCFEM556.cis  
Source: cis/src/3CCFEM556.cis

Licence: Dual GPLv2/MPL

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---

Driver: serial\_cs - Serial PCMCIA adapter

File: cis/MT5634ZLX.cis  
File: cis/RS-COM-2P.cis  
File: cis/COMpad2.cis  
File: cis/COMpad4.cis  
Source: cis/src/MT5634ZLX.cis  
Source: cis/src/RS-COM-2P.cis  
Source: cis/src/COMpad2.cis  
Source: cis/src/COMpad4.cis

Licence: Dual GPLv2/MPL

Originally developed by the pcmcia-cs project  
Copyright (C) 1998, 1999, 2000 David A. Hinds

---

Driver: serial\_cs - Serial PCMCIA adapter

File: cis/SW\_555\_SER.cis  
File: cis/SW\_7xx\_SER.cis  
File: cis/SW\_8xx\_SER.cis

Licence: GPLv3

Copyright Sierra Wireless

---

Driver: smc91c92\_cs - SMC 91Cxx PCMCIA

File: ositech/Xilinx70D.bin

Licence: Allegedly GPL, but no source visible. Marked:  
This file contains the firmware of Seven of Diamonds from

OSITECH.

(Special thanks to Kevin MacPherson of OSITECH)

Found in hex form in kernel source.

-----  
-----

Driver: cx23418 - Conexant PCI Broadcast A/V with MPEG encoder

File: v4l-cx23418-apu.fw

File: v4l-cx23418-cpu.fw

File: v4l-cx23418-dig.fw

Licence: Redistributable.

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Driver: cx23885 - Conexant PCI Express Broadcast A/V decoder

File: v4l-cx23885-avcore-01.fw

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Driver: cx23840 - Conexant sideport Broadcast A/V decoder

File: v4l-cx25840.fw

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---

Driver: qllogicpti - PTI Qlogic, ISP Driver

File: qllogic/isp1000.bin

Licence: Unknown

Found in hex form in kernel source.

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---

Driver: myri\_sbus - MyriCOM Gigabit Ethernet

File: myricom/lanai.bin

Licence: Unknown

Found in hex form in kernel source.

---

---

Driver: bnx2x: Broadcom Everest

File: bnx2x-e1-4.8.53.0.fw

File: bnx2x-e1h-4.8.53.0.fw

File: bnx2x-e1-5.2.7.0.fw

File: bnx2x-e1h-5.2.7.0.fw

File: bnx2x-e1-5.2.13.0.fw

File: bnx2x-e1h-5.2.13.0.fw

File: bnx2x/bnx2x-e1-6.0.34.0.fw

File: bnx2x/bnx2x-e1h-6.0.34.0.fw

File: bnx2x/bnx2x-e2-6.0.34.0.fw

File: bnx2x/bnx2x-e1-6.2.5.0.fw

File: bnx2x/bnx2x-e1h-6.2.5.0.fw

File: bnx2x/bnx2x-e2-6.2.5.0.fw

File: bnx2x/bnx2x-e1-6.2.9.0.fw

File: bnx2x/bnx2x-e1h-6.2.9.0.fw

File: bnx2x/bnx2x-e2-6.2.9.0.fw  
File: bnx2x/bnx2x-e2-7.0.20.0.fw  
File: bnx2x/bnx2x-e1-7.0.20.0.fw  
File: bnx2x/bnx2x-e1h-7.0.20.0.fw  
File: bnx2x/bnx2x-e2-7.0.23.0.fw  
File: bnx2x/bnx2x-e1-7.0.23.0.fw  
File: bnx2x/bnx2x-e1h-7.0.23.0.fw  
File: bnx2x/bnx2x-e2-7.0.29.0.fw  
File: bnx2x/bnx2x-e1-7.0.29.0.fw  
File: bnx2x/bnx2x-e1h-7.0.29.0.fw  
File: bnx2x/bnx2x-e2-7.2.16.0.fw  
File: bnx2x/bnx2x-e1-7.2.16.0.fw  
File: bnx2x/bnx2x-e1h-7.2.16.0.fw  
File: bnx2x/bnx2x-e2-7.2.51.0.fw  
File: bnx2x/bnx2x-e1-7.2.51.0.fw  
File: bnx2x/bnx2x-e1h-7.2.51.0.fw  
File: bnx2x/bnx2x-e1-7.8.2.0.fw  
File: bnx2x/bnx2x-e1h-7.8.2.0.fw  
File: bnx2x/bnx2x-e2-7.8.2.0.fw  
File: bnx2x/bnx2x-e1-7.8.17.0.fw  
File: bnx2x/bnx2x-e1h-7.8.17.0.fw  
File: bnx2x/bnx2x-e2-7.8.17.0.fw  
File: bnx2x/bnx2x-e1-7.8.19.0.fw  
File: bnx2x/bnx2x-e1h-7.8.19.0.fw  
File: bnx2x/bnx2x-e2-7.8.19.0.fw  
File: bnx2x/bnx2x-e1-7.10.51.0.fw  
File: bnx2x/bnx2x-e1h-7.10.51.0.fw  
File: bnx2x/bnx2x-e2-7.10.51.0.fw  
File: bnx2x/bnx2x-e1-7.12.30.0.fw  
File: bnx2x/bnx2x-e1h-7.12.30.0.fw  
File: bnx2x/bnx2x-e2-7.12.30.0.fw  
File: bnx2x/bnx2x-e1-7.13.1.0.fw  
File: bnx2x/bnx2x-e1h-7.13.1.0.fw  
File: bnx2x/bnx2x-e2-7.13.1.0.fw

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Driver: bnx2 - Broadcom NetXtremeII

File: bnx2/bnx2-mips-06-4.6.16.fw  
File: bnx2/bnx2-mips-06-5.0.0.j3.fw  
File: bnx2/bnx2-mips-06-5.0.0.j6.fw  
File: bnx2/bnx2-mips-06-6.0.15.fw  
File: bnx2/bnx2-mips-06-6.2.1.fw  
File: bnx2/bnx2-mips-06-6.2.3.fw  
File: bnx2/bnx2-mips-09-4.6.17.fw  
File: bnx2/bnx2-mips-09-5.0.0.j3.fw  
File: bnx2/bnx2-mips-09-5.0.0.j9.fw  
File: bnx2/bnx2-mips-09-5.0.0.j15.fw  
File: bnx2/bnx2-mips-09-6.0.17.fw  
File: bnx2/bnx2-mips-09-6.2.1.fw  
File: bnx2/bnx2-mips-09-6.2.1a.fw  
File: bnx2/bnx2-mips-09-6.2.1b.fw  
File: bnx2/bnx2-rv2p-06-4.6.16.fw  
File: bnx2/bnx2-rv2p-06-5.0.0.j3.fw  
File: bnx2/bnx2-rv2p-06-6.0.15.fw  
File: bnx2/bnx2-rv2p-09-4.6.15.fw  
File: bnx2/bnx2-rv2p-09-5.0.0.j3.fw  
File: bnx2/bnx2-rv2p-09-5.0.0.j10.fw  
File: bnx2/bnx2-rv2p-09-6.0.17.fw  
File: bnx2/bnx2-rv2p-09ax-5.0.0.j3.fw  
File: bnx2/bnx2-rv2p-09ax-5.0.0.j10.fw  
File: bnx2/bnx2-rv2p-09ax-6.0.17.fw

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-----  
Driver: netxen\_nic - NetXen Multi port (1/10) Gigabit Ethernet NIC

File: phanfw.bin  
Version: 4.0.590

Licence: Redistributable. See LICENCE.phanfw for details.

Available from [http://ldriver.qlogic.com/firmware/netxen\\_nic/new/](http://ldriver.qlogic.com/firmware/netxen_nic/new/)

---

Driver: dvb-ttpci -- AV7110 cards

File: av7110/bootcode.bin

Source: av7110/Boot.S

Source: av7110/Makefile

Licence: GPLv2 or later

ARM assembly source code from <https://linuxtv.org/downloads/firmware/Boot.S>

---

Driver: snd-wavefront - ISA WaveFront sound card

File: yamaha/yss225\_registers.bin

Licence: Allegedly GPLv2+, but no source visible.

Found in hex form in kernel source, with the following comment:  
Copyright (c) 1998-2002 by Paul Davis <pbd@op.net>

---

Driver: rt61pci - Ralink RT2561, RT2561S, RT2661 wireless MACs

File: rt2561.bin

File: rt2561s.bin

File: rt2661.bin

Licence: Redistributable. See LICENCE.ralink-firmware.txt for details

Downloaded from <http://www.ralinktech.com/ralink/Home/Support/Linux.html>

---

Driver: rt73usb - Ralink RT2571W, RT2671 wireless MACs

File: rt73.bin

Licence: Redistributable. See LICENCE.ralink-firmware.txt for details

Downloaded from <http://www.ralinktech.com/ralink/Home/Support/Linux.html>

-----  
-----  
Driver: mt7601u - MediaTek MT7601U Wireless MACs

File: mt7601u.bin

Version: 34

Licence: Redistributable. See  
LICENCE.ralink\_a\_mediatek\_company\_firmware for details

Downloaded from <http://www.mediatek.com/en/downloads/>

-----  
-----  
Driver: rt2800pci - Ralink RT2860, RT2890, RT3090, RT3290, RT5390  
wireless MACs

File: rt2860.bin

File: rt3290.bin

Licence: Redistributable. See LICENCE.ralink-firmware.txt for  
details

Binary file supplied by Shiang Tu <shiang\_tu@ralinktech.com>.

Firmware Version 34

rt3290.bin is a specific firmware support the RT3290 chip. Firmware  
Version 37

-----  
-----  
Driver: rt2860sta - Ralink RT3090 wireless MACs

Link: rt3090.bin -> rt2860.bin

Licence: Redistributable. See LICENCE.ralink-firmware.txt for  
details

-----  
-----  
Driver: rt2800usb - Ralink RT2870, RT3070, RT3071, RT3072, RT5370  
wireless MACs

File: rt2870.bin

Licence: Redistributable. See LICENCE.ralink-firmware.txt for  
details

Binary file supplied by Shiang Tu <shiang\_tu@ralinktech.com>.

Firmware Version 29



-----  
-----  
Driver: rt2870sta - Ralink RT2870, RT3070, RT3071 wireless MACs

Link: rt3070.bin -> rt2870.bin

File: rt3071.bin

Licence: Redistributable. See LICENCE.ralink-firmware.txt for details

rt3071.bin is a copy of bytes 4096-8191 of rt2870.bin for compatibility.

-----  
-----  
Driver: usbdux/usbduxfast/usbduxsigma - usbdux data acquisition cards

File: usbdux\_firmware.bin

File: usbduxfast\_firmware.bin

File: usbduxsigma\_firmware.bin

Source: usbdux/fx2-include.asm

Source: usbdux/usbduxfast\_firmware.asm

Source: usbdux/usbdux\_firmware.asm

Source: usbdux/usbduxsigma\_firmware.asm

Licence: GPLv2. See source code in usbdux/ subdirectory.

Provided from the author, Bernd Porr <BerndPorr@f2s.com>

-----  
-----  
Driver: xc4000 - Xceive 4000 Tuner driver

File: dvb-fe-xc4000-1.4.1.fw

Version: 1.4.1

Licence: Redistributable. See LICENCE.xc4000 for details

-----  
-----  
Driver: xc5000 - Xceive 5000 Tuner driver

File: dvb-fe-xc5000-1.6.114.fw

Version: 1.6.114

File: dvb-fe-xc5000c-4.1.30.7.fw

Version: 4.1.30.7

Licence: Redistributable. See LICENCE.xc5000 and LICENCE.xc5000c for details

---

Driver: dib0700 - DiBcom dib0700 USB DVB bridge driver

File: dvb-usb-dib0700-1.20.fw

Version: 1.20

Licence: Redistributable. See LICENSE.dib0700 for details

---

Driver: ath3k - DFU Driver for Atheros bluetooth chipset AR3011

File: ath3k-1.fw

Version: 1.0

Fix EEPROM radio table issue and change PID to 3005

Licence: Redistributable. See LICENSE.atheros\_firmware for details

---

Driver: mga - Matrox G200/G400/G550

File: matrox/g200\_warp.fw

File: matrox/g400\_warp.fw

Licence:

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Driver: r128 - ATI Rage 128

File: r128/r128\_cce.bin

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Driver: radeon - ATI Radeon

File: radeon/R100\_cp.bin  
File: radeon/R200\_cp.bin  
File: radeon/R300\_cp.bin  
File: radeon/R420\_cp.bin  
File: radeon/RS600\_cp.bin  
File: radeon/RS690\_cp.bin  
File: radeon/R520\_cp.bin  
File: radeon/R600\_pfp.bin  
File: radeon/R600\_me.bin  
File: radeon/RV610\_pfp.bin  
File: radeon/RV610\_me.bin  
File: radeon/RV630\_pfp.bin  
File: radeon/RV630\_me.bin  
File: radeon/RV620\_pfp.bin  
File: radeon/RV620\_me.bin  
File: radeon/RV635\_pfp.bin  
File: radeon/RV635\_me.bin  
File: radeon/RV670\_pfp.bin  
File: radeon/RV670\_me.bin  
File: radeon/RS780\_pfp.bin  
File: radeon/RS780\_me.bin  
File: radeon/RV770\_pfp.bin  
File: radeon/RV770\_me.bin  
File: radeon/RV730\_pfp.bin  
File: radeon/RV730\_me.bin  
File: radeon/RV710\_pfp.bin  
File: radeon/RV710\_me.bin

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Driver: radeon - ATI Radeon

File: radeon/R600\_rlc.bin  
File: radeon/R600\_uvd.bin  
File: radeon/RS780\_uvd.bin  
File: radeon/R700\_rlc.bin  
File: radeon/RV710\_uvd.bin  
File: radeon/RV710\_smc.bin  
File: radeon/RV730\_smc.bin  
File: radeon/RV740\_smc.bin  
File: radeon/RV770\_smc.bin  
File: radeon/RV770\_uvd.bin  
File: radeon/CEDAR\_me.bin  
File: radeon/CEDAR\_pfp.bin  
File: radeon/CEDAR\_rlc.bin  
File: radeon/CEDAR\_smc.bin  
File: radeon/CYPRESS\_me.bin  
File: radeon/CYPRESS\_pfp.bin  
File: radeon/CYPRESS\_rlc.bin  
File: radeon/CYPRESS\_uvd.bin  
File: radeon/CYPRESS\_smc.bin  
File: radeon/JUNIPER\_me.bin  
File: radeon/JUNIPER\_pfp.bin  
File: radeon/JUNIPER\_rlc.bin  
File: radeon/JUNIPER\_smc.bin  
File: radeon/REDWOOD\_me.bin  
File: radeon/REDWOOD\_pfp.bin  
File: radeon/REDWOOD\_rlc.bin

File: radeon/REDWOOD\_smc.bin  
File: radeon/PALM\_me.bin  
File: radeon/PALM\_pfp.bin  
File: radeon/SUMO\_rlc.bin  
File: radeon/SUMO\_uvd.bin  
File: radeon/BARTS\_mc.bin  
File: radeon/BARTS\_me.bin  
File: radeon/BARTS\_pfp.bin  
File: radeon/BARTS\_smc.bin  
File: radeon/BTC\_rlc.bin  
File: radeon/CAICOS\_mc.bin  
File: radeon/CAICOS\_me.bin  
File: radeon/CAICOS\_pfp.bin  
File: radeon/CAICOS\_smc.bin  
File: radeon/TURKS\_mc.bin  
File: radeon/TURKS\_me.bin  
File: radeon/TURKS\_pfp.bin  
File: radeon/TURKS\_smc.bin  
File: radeon/CAYMAN\_mc.bin  
File: radeon/CAYMAN\_me.bin  
File: radeon/CAYMAN\_pfp.bin  
File: radeon/CAYMAN\_rlc.bin  
File: radeon/CAYMAN\_smc.bin  
File: radeon/SUMO\_pfp.bin  
File: radeon/SUMO\_me.bin  
File: radeon/SUMO2\_pfp.bin  
File: radeon/SUMO2\_me.bin  
File: radeon/ARUBA\_me.bin  
File: radeon/ARUBA\_pfp.bin  
File: radeon/ARUBA\_rlc.bin  
File: radeon/PITCAIRN\_ce.bin  
File: radeon/PITCAIRN\_mc.bin  
File: radeon/PITCAIRN\_mc2.bin  
File: radeon/PITCAIRN\_me.bin  
File: radeon/PITCAIRN\_pfp.bin  
File: radeon/PITCAIRN\_rlc.bin  
File: radeon/PITCAIRN\_smc.bin  
File: radeon/TAHITI\_ce.bin  
File: radeon/TAHITI\_mc.bin  
File: radeon/TAHITI\_mc2.bin  
File: radeon/TAHITI\_me.bin  
File: radeon/TAHITI\_pfp.bin  
File: radeon/TAHITI\_rlc.bin  
File: radeon/TAHITI\_uvd.bin  
File: radeon/TAHITI\_smc.bin  
File: radeon/TAHITI\_vce.bin  
File: radeon/VERDE\_ce.bin  
File: radeon/VERDE\_mc.bin  
File: radeon/VERDE\_mc2.bin  
File: radeon/VERDE\_me.bin  
File: radeon/VERDE\_pfp.bin  
File: radeon/VERDE\_rlc.bin  
File: radeon/VERDE\_smc.bin  
File: radeon/OLAND\_ce.bin

File: radeon/OLAND\_mc.bin  
File: radeon/OLAND\_mc2.bin  
File: radeon/OLAND\_me.bin  
File: radeon/OLAND\_pfp.bin  
File: radeon/OLAND\_rlc.bin  
File: radeon/OLAND\_smc.bin  
File: radeon/HAINAN\_ce.bin  
File: radeon/HAINAN\_mc.bin  
File: radeon/HAINAN\_mc2.bin  
File: radeon/HAINAN\_me.bin  
File: radeon/HAINAN\_pfp.bin  
File: radeon/HAINAN\_rlc.bin  
File: radeon/HAINAN\_smc.bin  
File: radeon/BONAIRE\_ce.bin  
File: radeon/BONAIRE\_mc.bin  
File: radeon/BONAIRE\_mc2.bin  
File: radeon/BONAIRE\_me.bin  
File: radeon/BONAIRE\_mec.bin  
File: radeon/BONAIRE\_pfp.bin  
File: radeon/BONAIRE\_rlc.bin  
File: radeon/BONAIRE\_sdma.bin  
File: radeon/BONAIRE\_uvd.bin  
File: radeon/BONAIRE\_smc.bin  
File: radeon/BONAIRE\_vce.bin  
File: radeon/KABINI\_ce.bin  
File: radeon/KABINI\_me.bin  
File: radeon/KABINI\_mec.bin  
File: radeon/KABINI\_pfp.bin  
File: radeon/KABINI\_rlc.bin  
File: radeon/KABINI\_sdma.bin  
File: radeon/KAVERI\_ce.bin  
File: radeon/KAVERI\_me.bin  
File: radeon/KAVERI\_mec.bin  
File: radeon/KAVERI\_pfp.bin  
File: radeon/KAVERI\_rlc.bin  
File: radeon/KAVERI\_sdma.bin  
File: radeon/HAWAII\_ce.bin  
File: radeon/HAWAII\_mc.bin  
File: radeon/HAWAII\_mc2.bin  
File: radeon/HAWAII\_me.bin  
File: radeon/HAWAII\_mec.bin  
File: radeon/HAWAII\_pfp.bin  
File: radeon/HAWAII\_rlc.bin  
File: radeon/HAWAII\_sdma.bin  
File: radeon/HAWAII\_smc.bin  
File: radeon/MULLINS\_ce.bin  
File: radeon/MULLINS\_me.bin  
File: radeon/MULLINS\_mec.bin  
File: radeon/MULLINS\_pfp.bin  
File: radeon/MULLINS\_rlc.bin  
File: radeon/MULLINS\_sdma.bin  
File: radeon/pitcairn\_ce.bin  
File: radeon/pitcairn\_mc.bin  
File: radeon/pitcairn\_me.bin

File: radeon/pitcairn\_pfp.bin  
File: radeon/pitcairn\_rlc.bin  
File: radeon/pitcairn\_smc.bin  
File: radeon/tahiti\_ce.bin  
File: radeon/tahiti\_mc.bin  
File: radeon/tahiti\_me.bin  
File: radeon/tahiti\_pfp.bin  
File: radeon/tahiti\_rlc.bin  
File: radeon/tahiti\_smc.bin  
File: radeon/verde\_ce.bin  
File: radeon/verde\_mc.bin  
File: radeon/verde\_me.bin  
File: radeon/verde\_pfp.bin  
File: radeon/verde\_rlc.bin  
File: radeon/verde\_smc.bin  
File: radeon/oland\_ce.bin  
File: radeon/oland\_mc.bin  
File: radeon/oland\_me.bin  
File: radeon/oland\_pfp.bin  
File: radeon/oland\_rlc.bin  
File: radeon/oland\_smc.bin  
File: radeon/hainan\_ce.bin  
File: radeon/hainan\_mc.bin  
File: radeon/hainan\_me.bin  
File: radeon/hainan\_pfp.bin  
File: radeon/hainan\_rlc.bin  
File: radeon/hainan\_smc.bin  
File: radeon/bonaire\_ce.bin  
File: radeon/bonaire\_mc.bin  
File: radeon/bonaire\_me.bin  
File: radeon/bonaire\_mec.bin  
File: radeon/bonaire\_pfp.bin  
File: radeon/bonaire\_rlc.bin  
File: radeon/bonaire\_sdma.bin  
File: radeon/bonaire\_sdma1.bin  
File: radeon/bonaire\_smc.bin  
File: radeon/bonaire\_uvd.bin  
File: radeon/bonaire\_vce.bin  
File: radeon/kabini\_ce.bin  
File: radeon/kabini\_me.bin  
File: radeon/kabini\_mec.bin  
File: radeon/kabini\_pfp.bin  
File: radeon/kabini\_rlc.bin  
File: radeon/kabini\_sdma.bin  
File: radeon/kabini\_sdma1.bin  
File: radeon/kabini\_uvd.bin  
File: radeon/kabini\_vce.bin  
File: radeon/kaveri\_ce.bin  
File: radeon/kaveri\_me.bin  
File: radeon/kaveri\_mec.bin  
File: radeon/kaveri\_mec2.bin  
File: radeon/kaveri\_pfp.bin  
File: radeon/kaveri\_rlc.bin  
File: radeon/kaveri\_sdma.bin



File: radeon/kaveri\_sdma1.bin  
File: radeon/kaveri\_uvd.bin  
File: radeon/kaveri\_vce.bin  
File: radeon/hawaii\_ce.bin  
File: radeon/hawaii\_mc.bin  
File: radeon/hawaii\_me.bin  
File: radeon/hawaii\_mec.bin  
File: radeon/hawaii\_pfp.bin  
File: radeon/hawaii\_rlc.bin  
File: radeon/hawaii\_sdma.bin  
File: radeon/hawaii\_sdma1.bin  
File: radeon/hawaii\_smc.bin  
File: radeon/hawaii\_uvd.bin  
File: radeon/hawaii\_vce.bin  
File: radeon/mullins\_ce.bin  
File: radeon/mullins\_me.bin  
File: radeon/mullins\_mec.bin  
File: radeon/mullins\_pfp.bin  
File: radeon/mullins\_rlc.bin  
File: radeon/mullins\_sdma.bin  
File: radeon/mullins\_sdma1.bin  
File: radeon/mullins\_uvd.bin  
File: radeon/mullins\_vce.bin

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Driver: amdgpu - AMD Radeon

File: amdgpu/topaz\_ce.bin  
File: amdgpu/topaz\_mc.bin  
File: amdgpu/topaz\_me.bin  
File: amdgpu/topaz\_mec2.bin  
File: amdgpu/topaz\_mec.bin  
File: amdgpu/topaz\_pfp.bin  
File: amdgpu/topaz\_rlc.bin  
File: amdgpu/topaz\_sdma1.bin  
File: amdgpu/topaz\_sdma.bin  
File: amdgpu/topaz\_smc.bin  
File: amdgpu/tonga\_ce.bin  
File: amdgpu/tonga\_mc.bin  
File: amdgpu/tonga\_me.bin  
File: amdgpu/tonga\_mec2.bin  
File: amdgpu/tonga\_mec.bin  
File: amdgpu/tonga\_pfp.bin  
File: amdgpu/tonga\_rlc.bin  
File: amdgpu/tonga\_sdma1.bin  
File: amdgpu/tonga\_sdma.bin  
File: amdgpu/tonga\_smc.bin  
File: amdgpu/tonga\_uvd.bin  
File: amdgpu/tonga\_vce.bin  
File: amdgpu/carrizo\_ce.bin

File: amdgpu/carrizo\_me.bin  
File: amdgpu/carrizo\_mec2.bin  
File: amdgpu/carrizo\_mec.bin  
File: amdgpu/carrizo\_pfp.bin  
File: amdgpu/carrizo\_rlc.bin  
File: amdgpu/carrizo\_sdma1.bin  
File: amdgpu/carrizo\_sdma.bin  
File: amdgpu/carrizo\_uvd.bin  
File: amdgpu/carrizo\_vce.bin  
File: amdgpu/fiji\_ce.bin  
File: amdgpu/fiji\_mc.bin  
File: amdgpu/fiji\_me.bin  
File: amdgpu/fiji\_mec2.bin  
File: amdgpu/fiji\_mec.bin  
File: amdgpu/fiji\_pfp.bin  
File: amdgpu/fiji\_rlc.bin  
File: amdgpu/fiji\_sdma1.bin  
File: amdgpu/fiji\_sdma.bin  
File: amdgpu/fiji\_smc.bin  
File: amdgpu/fiji\_uvd.bin  
File: amdgpu/fiji\_vce.bin  
File: amdgpu/stoney\_ce.bin  
File: amdgpu/stoney\_me.bin  
File: amdgpu/stoney\_mec.bin  
File: amdgpu/stoney\_pfp.bin  
File: amdgpu/stoney\_rlc.bin  
File: amdgpu/stoney\_sdma.bin  
File: amdgpu/stoney\_uvd.bin  
File: amdgpu/stoney\_vce.bin  
File: amdgpu/polaris10\_ce.bin  
File: amdgpu/polaris10\_mc.bin  
File: amdgpu/polaris10\_me.bin  
File: amdgpu/polaris10\_mec2.bin  
File: amdgpu/polaris10\_mec.bin  
File: amdgpu/polaris10\_pfp.bin  
File: amdgpu/polaris10\_rlc.bin  
File: amdgpu/polaris10\_sdma1.bin  
File: amdgpu/polaris10\_sdma.bin  
File: amdgpu/polaris10\_smc.bin  
File: amdgpu/polaris10\_smc\_sk.bin  
File: amdgpu/polaris10\_uvd.bin  
File: amdgpu/polaris10\_vce.bin  
File: amdgpu/polaris11\_ce.bin  
File: amdgpu/polaris11\_mc.bin  
File: amdgpu/polaris11\_me.bin  
File: amdgpu/polaris11\_mec2.bin  
File: amdgpu/polaris11\_mec.bin  
File: amdgpu/polaris11\_pfp.bin  
File: amdgpu/polaris11\_rlc.bin  
File: amdgpu/polaris11\_sdma1.bin  
File: amdgpu/polaris11\_sdma.bin  
File: amdgpu/polaris11\_smc.bin  
File: amdgpu/polaris11\_smc\_sk.bin  
File: amdgpu/polaris11\_uvd.bin

File: amdgpu/polaris11\_vce.bin

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Driver: s2255drv

File: f2255usb.bin

Licence: Redistributable.

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Driver: rtl8192e - Realtek 8192 PCI wireless driver

File: RTL8192E/boot.img

File: RTL8192E/data.img

File: RTL8192E/main.img

Licence: Redistributable, provided by Realtek in their driver source download.

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Driver: lgs8gxx - Legend Silicon GB20600 demodulator driver

File: lgs8g75.fw

Licence: Unknown

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Driver: ib\_qib - QLogic Infiniband

File: qlogic/sd7220.fw

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Found in hex form in kernel source.

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Driver: qed - QLogic 4xxxx Ethernet Driver Core Module.

File: qed/qed\_init\_values\_zipped-8.4.2.0.bin

File: qed/qed\_init\_values\_zipped-8.7.3.0.bin

Licence:

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data  
in hexadecimal or equivalent format, provided this copyright  
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accompanying it.

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Driver: ueagle-atm - Driver for USB ADSL Modems based on Eagle IV  
Chipset

File: ueagle-atm/CMV4p.bin.v2  
File: ueagle-atm/DSP4p.bin  
File: ueagle-atm/eagleIV.fw  
Version: 1.0

Licence: Redistributable. See LICENCE.ueagle-atm4-firmware for  
details

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Driver: ueagle-atm - Driver for USB ADSL Modems based on Eagle  
I,II,III

File: ueagle-atm/930-fpga.bin  
File: ueagle-atm/CMVeiW0.bin  
File: ueagle-atm/CMVepFR10.bin  
File: ueagle-atm/DSP9p.bin  
File: ueagle-atm/eagleIII.fw  
File: ueagle-atm/adi930.fw  
File: ueagle-atm/CMVep.bin  
File: ueagle-atm/CMVepFR.bin  
File: ueagle-atm/DSPei.bin  
File: ueagle-atm/CMV9i.bin  
File: ueagle-atm/CMVepES03.bin  
File: ueagle-atm/CMVepIT.bin  
File: ueagle-atm/DSPep.bin  
File: ueagle-atm/CMV9p.bin  
File: ueagle-atm/CMVepES.bin  
File: ueagle-atm/CMVepW0.bin  
File: ueagle-atm/eagleI.fw  
File: ueagle-atm/CMVei.bin  
File: ueagle-atm/CMVepFR04.bin  
File: ueagle-atm/DSP9i.bin  
File: ueagle-atm/eagleII.fw  
Version: 1.1

Licence: Redistributable. Based on  
[https://mail.gna.org/public/eagleusb-dev/2004-11/  
msg00172.html](https://mail.gna.org/public/eagleusb-dev/2004-11/msg00172.html)

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Driver: vxge - Exar X3100 Series 10GbE PCIe I/O Virtualized Server Adapter

File: vxge/X3fw.ncf  
File: vxge/X3fw-pxe.ncf  
Version: 1.8.1

Licence:

This file contains firmware data derived from proprietary unpublished source code, Copyright (c) 2010 Exar Corporation.

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Driver: brcsmac - Broadcom 802.11n softmac wireless LAN driver.

File: brcm/bcm43xx-0.fw  
File: brcm/bcm43xx\_hdr-0.fw  
Version: 610.812

Licence: Redistributable. See LICENCE.broadcom\_bcm43xx for details.

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Driver: brcmfmac - Broadcom 802.11n fullmac wireless LAN driver.

File: brcm/bcm4329-fullmac-4.bin  
File: brcm/brcmfmac43236b.bin  
File: brcm/brcmfmac4329-sdio.bin  
File: brcm/brcmfmac4330-sdio.bin  
File: brcm/brcmfmac4334-sdio.bin  
File: brcm/brcmfmac43340-sdio.bin  
File: brcm/brcmfmac4335-sdio.bin  
File: brcm/brcmfmac43362-sdio.bin  
File: brcm/brcmfmac4339-sdio.bin  
File: brcm/brcmfmac43241b0-sdio.bin  
File: brcm/brcmfmac43241b4-sdio.bin  
File: brcm/brcmfmac43241b5-sdio.bin  
File: brcm/brcmfmac43242a.bin  
File: brcm/brcmfmac43143.bin  
File: brcm/brcmfmac43143-sdio.bin  
File: brcm/brcmfmac43455-sdio.bin  
File: brcm/brcmfmac4350c2-pcie.bin  
File: brcm/brcmfmac4350-pcie.bin

File: brcm/brcmfmac4354-sdio.bin  
File: brcm/brcmfmac4356-pcie.bin  
File: brcm/brcmfmac43569.bin  
File: brcm/brcmfmac43570-pcie.bin  
File: brcm/brcmfmac43602-pcie.bin  
File: brcm/brcmfmac43602-pcie.ap.bin  
File: brcm/brcmfmac4366b-pcie.bin  
File: brcm/brcmfmac4371-pcie.bin

Licence: Redistributable. See LICENCE.broadcom\_bcm43xx for details.

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Driver: tda7706 - FM radio Highly integrated tuner for AM/FM car-radio

File: TDA7706\_OM\_v2.5.1\_boot.txt  
File: TDA7706\_OM\_v3.0.2\_boot.txt

Licence: Redistributable. See LICENCE.tda7706-firmware.txt for details.

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Driver: wl1251 - Texas Instruments 802.11 WLAN driver for WiLink4 chips

File: ti-connectivity/wl1251-fw.bin  
Version: 4.0.4.3.7

File: ti-connectivity/wl1251-nvs.bin

Licence: Redistributable. See LICENCE.wl1251 for details.

The published NVS files are for testing only. Every device needs to have a unique NVS which is properly calibrated for best results.

The driver expects to find the firmwares under a ti-connectivity subdirectory.

So if your system looks for firmwares in /lib/firmware, the firmwares for wl12xx chips must be located in /lib/firmware/ti-connectivity/.

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Driver: wl12xx - Texas Instruments 802.11 WLAN driver for WiLink6/7 chips

File: ti-connectivity/wl1271-fw.bin  
Version: 6.1.0.50.350 (STA-only)

File: ti-connectivity/wl1271-fw-2.bin  
Version: 6.1.5.50.74 (STA-only)  
File: ti-connectivity/wl1271-fw-ap.bin  
Version: 6.2.1.0.54 (AP-only)  
File: ti-connectivity/wl127x-fw-3.bin  
Version: 6.3.0.0.77  
File: ti-connectivity/wl127x-fw-plt-3.bin  
Version: 6.3.0.0.77 (PLT-only)  
File: ti-connectivity/wl127x-fw-4-sr.bin  
Version: 6.3.5.0.98 (Single-role)  
File: ti-connectivity/wl127x-fw-4-mr.bin  
Version: 6.5.2.0.15 (Multi-role)  
File: ti-connectivity/wl127x-fw-4-plt.bin  
Version: 6.3.5.0.98 (PLT-only)  
File: ti-connectivity/wl127x-fw-5-sr.bin  
Version: 6.3.10.0.133 (Single-role)  
File: ti-connectivity/wl127x-fw-5-mr.bin  
Version: 6.5.7.0.42 (Multi-role)  
File: ti-connectivity/wl127x-fw-5-plt.bin  
Version: 6.3.10.0.133 (PLT-only)

File: ti-connectivity/wl128x-fw.bin  
Version: 7.1.5.50.74 (STA-only)  
File: ti-connectivity/wl128x-fw-ap.bin  
Version: 7.2.1.0.54 (AP-only)  
File: ti-connectivity/wl128x-fw-3.bin  
Version: 7.3.0.0.77  
File: ti-connectivity/wl128x-fw-plt-3.bin  
Version: 7.3.0.0.77  
File: ti-connectivity/wl128x-fw-4-sr.bin  
Version: 7.3.5.0.98 (Single-role)  
File: ti-connectivity/wl128x-fw-4-mr.bin  
Version: 7.5.2.0.15 (Multi-role)  
File: ti-connectivity/wl128x-fw-4-plt.bin  
Version: 7.3.5.0.98 (PLT)  
File: ti-connectivity/wl128x-fw-5-sr.bin  
Version: 7.3.10.0.133 (Single-role)  
File: ti-connectivity/wl128x-fw-5-mr.bin  
Version: 7.5.7.0.42 (Multi-role)  
File: ti-connectivity/wl128x-fw-5-plt.bin  
Version: 7.3.10.2.133 (PLT-only)

File: ti-connectivity/wl127x-nvs.bin  
File: ti-connectivity/wl128x-nvs.bin  
Link: ti-connectivity/wl12xx-nvs.bin -> wl127x-nvs.bin  
Link: ti-connectivity/wl1271-nvs.bin -> wl127x-nvs.bin

Licence: Redistributable. See LICENCE.ti-connectivity for details.

The NVS file includes two parts:

- radio calibration
- HW configuration parameters (aka. INI values)

The published NVS files are for testing only. Every device needs to



have a unique NVS which is properly calibrated for best results.  
You  
can find more information about NVS generation for your device here:

<http://wireless.kernel.org/en/users/Drivers/wl12xx/calibrator>

If you're using a wl127x based device, use a symbolic link called wl1271-nvs.bin that links to the wl127x-nvs.bin file. If you are using wl128x, link to wl128x-nvs.bin instead.

The driver expects to find the firmwares under a ti-connectivity subdirectory. So if your system looks for firmwares in /lib/firmware,  
the firmwares for wl12xx chips must be located in /lib/firmware/ti-connectivity/.

---

Driver: wl18xx - Texas Instruments 802.11 WLAN driver for WiLink8 chips

File: ti-connectivity/wl18xx-fw.bin  
Version: 8.2.0.0.100  
File: ti-connectivity/wl18xx-fw-2.bin  
Version: 8.5.0.0.55  
File: ti-connectivity/wl18xx-fw-3.bin  
Version: 8.8.0.0.13  
File: ti-connectivity/wl18xx-fw-4.bin  
Version: 8.9.0.1.55

Licence: Redistributable. See LICENCE.ti-connectivity for details.

The driver expects to find the firmwares under a ti-connectivity subdirectory. So if your system looks for firmwares in /lib/firmware,  
the firmwares for wl18xx chips must be located in /lib/firmware/ti-connectivity/.

---

Driver: TI\_ST - Texas Instruments bluetooth driver

File: ti-connectivity/TIInit\_7.2.31.bts

Licence: Redistributable. See LICENCE.ti-connectivity for details.

TIInit\_7.2.31.bts version 7.2.31

In order to use that file copy it to /lib/firmware/ti-connectivity.

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Driver: tlg2300 - Telgent 2300 V4L/DVB driver.

File: tlg2300\_firmware.bin

Licence: Redistributable.

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Driver: r8712u - Realtek 802.11n WLAN driver for RTL8712U

File: rtlwifi/rtl8712u.bin

Info: From Vendor's rtl8712\_8188\_8191\_8192SU\_usb\_linux\_v7\_0.20100831  
Reverted rtl8188C\_8192C\_8192D\_usb\_linux\_v3.4.2\_3727.20120404

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for details.

-----

Driver: rtl8192ce - Realtek 802.11n WLAN driver for RTL8192CE

File: rtlwifi/rtl8192cfw.bin

File: rtlwifi/rtl8192cfwU.bin

File: rtlwifi/rtl8192cfwU\_B.bin

Info: From Vendor's realtek/  
rtlwifi\_linux\_mac80211\_0019.0320.2014V628 driver

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for details.

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Driver: rtl8192cu - Realtek 802.11n WLAN driver for RTL8192CU

File: rtlwifi/rtl8192cufw.bin

File: rtlwifi/rtl8192cufw\_A.bin  
File: rtlwifi/rtl8192cufw\_B.bin  
File: rtlwifi/rtl8192cufw\_TMSC.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for details.

---

Driver: rtl8192se – Realtek 802.11n WLAN driver for RTL8192SE

Info: updated from rtl\_92ce\_92se\_92de\_linux\_mac80211\_0004.0816.2011 driver version  
File: rtlwifi/rtl8192sefw.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for details.

---

Driver: rtl8192de – Realtek 802.11n WLAN driver for RTL8192DE

Info: Updated from Realtek version  
rtl\_92ce\_92se\_92de\_8723ae\_linux\_mac80211\_0007.0809.2012  
File: rtlwifi/rtl8192defw.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for details.

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Driver: rtl8723e – Realtek 802.11n WLAN driver for RTL8723E

Info: Taken from Realtek version  
rtl\_92ce\_92se\_92de\_8723ae\_linux\_mac80211\_0007.0809.2012  
File: rtlwifi/rtl8723fw.bin  
File: rtlwifi/rtl8723fw\_B.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for details.

---

Driver: rtl8723be – Realtek 802.11n WLAN driver for RTL8723BE

Info: From Vendor's realtek/  
rtlwifi\_linux\_mac80211\_0019.0320.2014V628 driver  
File: rtlwifi/rtl8723befw.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for

details.

---

Driver: r8723au – Realtek 802.11n WLAN driver for RTL8723AU

Info: Taken from Realtek driver

rtl8723A\_WiFi\_linux\_v4.1.3\_6044.20121224

Firmware is embedded in the driver as data statements. This info

has been extracted into a binary file.

File: rtlwifi/rtl8723aufw\_A.bin

File: rtlwifi/rtl8723aufw\_B.bin

File: rtlwifi/rtl8723aufw\_B\_NoBT.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for details.

---

Driver: rtl8188ee – Realtek 802.11n WLAN driver for RTL8188EE

Info: Taken from Realtek version

rtl\_92ce\_92se\_92de\_8723ae\_88ee\_linux\_mac80211\_0010.0109.2013

File: rtlwifi/rtl8188efw.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for details.

---

Driver: rtl8188eu – Realtek 802.11n WLAN driver for RTL8188EU

Info: Taken from Realtek version

RTL8188EUS\_linux\_v4.1.4\_6773.20130222

File: rtlwifi/rtl8188eufw.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for details.

---

Driver: rtl8821ae – Realtek 802.11n WLAN driver for RTL8821AE

Info: From Vendor's realtek/

rtlwifi\_linux\_mac80211\_0019.0320.2014V628 driver

File: rtlwifi/rtl8821aefw.bin

File: rtlwifi/rtl8821aefw\_wowlan.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for

details.

---

Driver: rtl8192ee - Realtek 802.11n WLAN driver for RTL8192EE

Info: Initial version taken from Realtek version

rtl\_92ce\_92se\_92de\_8723ae\_88ee\_8723be\_92ee\_linux\_mac80211\_0017.1224.  
2013

Updated Jan. 14, 2015 with file added by Realtek to  
[http://github.com/lwfinger/rtlwifi\\_new.git](http://github.com/lwfinger/rtlwifi_new.git).

File: rtlwifi/rtl8192eefw.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for  
details.

---

Driver: rtl8xxxu - Realtek 802.11n WLAN driver for RTL8XXX USB  
devices

Info: rtl8723au taken from Realtek driver

rtl8723A\_WiFi\_linux\_v4.1.3\_6044.20121224

Firmware is embedded in the driver as data statements. This  
info

has been extracted into a binary file.

File: rtlwifi/rtl8723aufw\_A.bin

File: rtlwifi/rtl8723aufw\_B.bin

File: rtlwifi/rtl8723aufw\_B\_NoBT.bin

Info: rtl8723bu taken from Realtek driver

rtl8723BU\_WiFi\_linux\_v4.3.16\_14189.20150519\_BTC0EX20150119-5844

Firmware is embedded in the driver as data statements. This  
info

has been extracted into a binary file.

File: rtlwifi/rtl8723bu\_nic.bin

File: rtlwifi/rtl8723bu\_wowlan.bin

File: rtlwifi/rtl8723bu\_ap\_wowlan.bin

Info: rtl8192eu taken from Realtek driver

rtl8192EU\_linux\_v4.3.1.1\_11320.20140505

Firmware is embedded in the driver as data statements. This  
info

has been extracted into a binary file.

File: rtlwifi/rtl8192eu\_nic.bin

File: rtlwifi/rtl8192eu\_wowlan.bin

File: rtlwifi/rtl8192eu\_ap\_wowlan.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for  
details.

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-----  
Driver: r8169 - RealTek 8169/8168/8101 ethernet driver.

File: rtl\_nic/rtl8168d-1.fw  
File: rtl\_nic/rtl8168d-2.fw  
File: rtl\_nic/rtl8105e-1.fw  
File: rtl\_nic/rtl8168e-1.fw  
File: rtl\_nic/rtl8168e-2.fw

File: rtl\_nic/rtl8168e-3.fw  
Version: 0.0.4

File: rtl\_nic/rtl8168f-1.fw  
Version: 0.0.5

File: rtl\_nic/rtl8168f-2.fw  
Version: 0.0.4

File: rtl\_nic/rtl8411-1.fw  
Version: 0.0.3

File: rtl\_nic/rtl8411-2.fw  
Version: 0.0.1

File: rtl\_nic/rtl8402-1.fw  
Version: 0.0.1

File: rtl\_nic/rtl8106e-1.fw  
Version: 0.0.1

File: rtl\_nic/rtl8106e-2.fw  
Version: 0.0.1

File: rtl\_nic/rtl8168g-1.fw  
Version: 0.0.3

File: rtl\_nic/rtl8168g-2.fw  
Version: 0.0.1

File: rtl\_nic/rtl8168g-3.fw  
Version: 0.0.1

File: rtl\_nic/rtl8168h-1.fw  
Version: 0.0.2

File: rtl\_nic/rtl8168h-2.fw  
Version: 0.0.2

File: rtl\_nic/rtl8107e-1.fw  
Version: 0.0.2

File: rtl\_nic/rtl8107e-2.fw  
Version: 0.0.2

Licence:

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\* notice is accompanying it.

---

Driver: vt6656 – VIA VT6656 USB wireless driver

File: vntwusb.fw

Licence: Redistributable. See LICENCE.via\_vt6656 for details.

---

Driver: DFU Driver for Atheros bluetooth chipset AR3012

File: ar3k/AthrBT\_0x01020001.dfu  
File: ar3k/ramps\_0x01020001\_26.dfu  
File: ar3k/AthrBT\_0x01020200.dfu  
File: ar3k/ramps\_0x01020200\_26.dfu  
File: ar3k/ramps\_0x01020200\_40.dfu  
File: ar3k/AthrBT\_0x31010000.dfu  
File: ar3k/ramps\_0x31010000\_40.dfu  
File: ar3k/AthrBT\_0x11020000.dfu  
File: ar3k/ramps\_0x11020000\_40.dfu  
File: ar3k/ramps\_0x01020201\_26.dfu  
File: ar3k/ramps\_0x01020201\_40.dfu  
File: ar3k/AthrBT\_0x41020000.dfu  
File: ar3k/ramps\_0x41020000\_40.dfu  
File: ar3k/AthrBT\_0x11020100.dfu  
File: ar3k/ramps\_0x11020100\_40.dfu  
File: ar3k/AthrBT\_0x31010100.dfu  
File: ar3k/ramps\_0x31010100\_40.dfu

Licence: Redistributable. See LICENCE.atheros\_firmware for details

---

Driver: DFU Driver for Atheros bluetooth chipset AR3012

File: ar3k/AthrBT\_0x01020201.dfu  
File: ar3k/1020201coex/ramps\_0x01020201\_26\_HighPriority.dfu

Licence: Redistributable. See LICENSE.QualcommAtheros\_ar3k for

details

---

Driver: Atheros AR300x UART HCI Bluetooth Chip driver

File: ar3k/1020201/PS\_ASIC.pst  
File: ar3k/1020201/RamPatch.txt  
File: ar3k/1020200/ar3kbdaddr.pst  
File: ar3k/1020200/PS\_ASIC.pst  
File: ar3k/1020200/RamPatch.txt  
File: ar3k/30101/ar3kbdaddr.pst  
File: ar3k/30101/PS\_ASIC.pst  
File: ar3k/30101/RamPatch.txt  
File: ar3k/30000/ar3kbdaddr.pst  
File: ar3k/30000/PS\_ASIC.pst  
File: ar3k/30000/RamPatch.txt

Licence: Redistributable. See LICENCE.atheros\_firmware for details

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Driver: ath6kl – Atheros support for AR6003

File: ath6k/AR6004/hw1.3/fw-3.bin  
File: ath6k/AR6004/hw1.3/bdata.bin  
File: ath6k/AR6004/hw1.2/fw-2.bin  
File: ath6k/AR6004/hw1.2/bdata.bin  
File: ath6k/AR6003/hw1.0/otp.bin.z77  
File: ath6k/AR6003/hw1.0/bdata.SD31.bin  
File: ath6k/AR6003/hw1.0/bdata.SD32.bin  
File: ath6k/AR6003/hw1.0/data.patch.bin  
File: ath6k/AR6003/hw1.0/bdata.WB31.bin  
File: ath6k/AR6003/hw1.0/athwlan.bin.z77  
File: ath6k/AR6003/hw2.1.1/fw-2.bin  
File: ath6k/AR6003/hw2.1.1/fw-3.bin  
File: ath6k/AR6003/hw2.1.1/otp.bin  
File: ath6k/AR6003/hw2.1.1/athwlan.bin  
File: ath6k/AR6003/hw2.1.1/endpointping.bin  
File: ath6k/AR6003/hw2.1.1/bdata.SD31.bin  
File: ath6k/AR6003/hw2.1.1/bdata.SD32.bin  
File: ath6k/AR6003/hw2.1.1/data.patch.bin  
File: ath6k/AR6003/hw2.1.1/bdata.WB31.bin  
File: ath6k/AR6003/hw2.0/otp.bin.z77  
File: ath6k/AR6003/hw2.0/bdata.SD31.bin  
File: ath6k/AR6003/hw2.0/bdata.SD32.bin  
File: ath6k/AR6003/hw2.0/data.patch.bin  
File: ath6k/AR6003/hw2.0/bdata.WB31.bin  
File: ath6k/AR6003/hw2.0/athwlan.bin.z77  
File: ath6k/AR6002/eeprom.data  
File: ath6k/AR6002/eeprom.bin  
File: ath6k/AR6002/athwlan.bin.z77



File: ath6k/AR6002/data.patch.hw2\_0.bin

Licence: Redistributable. See LICENCE.atheros\_firmware for details

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Driver: ath10k - Qualcomm Atheros support for QCA988x family of chips

File: ath10k/QCA988X/hw2.0/board.bin

File: ath10k/QCA988X/hw2.0/firmware-4.bin

Version: 10.2.4.45

Licence: ath10k/QCA988X/hw2.0/notice\_ath10k\_firmware-4.txt

File: ath10k/QCA988X/hw2.0/firmware-5.bin

Version: 10.2.4.70.9-2

Licence: ath10k/QCA988X/hw2.0/notice\_ath10k\_firmware-5.txt

File: ath10k/QCA6174/hw2.1/board.bin

File: ath10k/QCA6174/hw2.1/firmware-5.bin

Version: WLAN.RM.1.1-00141

Licence: ath10k/QCA6174/hw2.1/notice\_ath10k\_firmware-5.txt

File: ath10k/QCA6174/hw3.0/board.bin

File: ath10k/QCA6174/hw3.0/firmware-4.bin

Version: WLAN.RM.2.0-00180-QCARMSWPZ-1

Licence: ath10k/QCA6174/hw3.0/notice\_ath10k\_firmware-4.txt

File: ath10k/QCA99X0/hw2.0/board.bin

File: ath10k/QCA99X0/hw2.0/firmware-5.bin

Version: 10.4.1.00030-1

Licence: ath10k/QCA99X0/hw2.0/notice\_ath10k\_firmware-5.txt

Licence: Redistributable. See LICENSE.QualcommAtheros\_ath10k for details

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Driver: myri10ge - Myri10GE 10GbE NIC driver

File: myri10ge\_eth\_z8e.dat

File: myri10ge\_ethp\_z8e.dat

File: myri10ge\_rss\_eth\_z8e.dat

File: myri10ge\_rss\_ethp\_z8e.dat

File: myri10ge\_eth\_big\_z8e.dat

File: myri10ge\_ethp\_big\_z8e.dat

File: myri10ge\_rss\_eth\_big\_z8e.dat

File: myri10ge\_rss\_ethp\_big\_z8e.dat

Version: 1.4.57

License: Redistributable. See LICENCE.myri10ge\_firmware for details.

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Driver: ath6kl - Atheros support for AR6003 WiFi-Bluetooth combo module

File: ath6k/AR6003.1/hw2.1.1/athwlan.bin  
File: ath6k/AR6003.1/hw2.1.1/bdata.SD31.bin  
File: ath6k/AR6003.1/hw2.1.1/bdata.SD32.bin  
File: ath6k/AR6003.1/hw2.1.1/bdata.WB31.bin  
File: ath6k/AR6003.1/hw2.1.1/data.patch.bin  
File: ath6k/AR6003.1/hw2.1.1/endpointping.bin  
File: ath6k/AR6003.1/hw2.1.1/otp.bin

License: Redistributable. See LICENCE.atheros\_firmware for details

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Driver: ath6kl - Atheros support for AR3001 WiFi-Bluetooth combo module

File: ar3k/30101coex/ar3kbdaddr.pst  
File: ar3k/30101coex/PS\_ASIC\_aclLowPri.pst  
File: ar3k/30101coex/PS\_ASIC\_aclHighPri.pst  
File: ar3k/30101coex/PS\_ASIC.pst  
File: ar3k/30101coex/RamPatch.txt

License: Redistributable. See LICENCE.atheros\_firmware for details

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Driver: drxk - Micronas DRX-K demodulator driver

File: dvb-usb-terratec-h5-drxk.fw

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Driver: ene-ub6250 -- ENE UB6250 SD card reader driver

File: ene-ub6250/sd\_init1.bin  
File: ene-ub6250/sd\_init2.bin  
File: ene-ub6250/sd\_rdwr.bin

File: ene-ub6250/ms\_init.bin  
File: ene-ub6250/msp\_rdwr.bin  
File: ene-ub6250/ms\_rdwr.bin

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---

Driver: isci -- Intel C600 SAS controller driver

File: isci/isci\_firmware.bin  
Source: isci/create\_fw.c  
Source: isci/create\_fw.h  
Source: isci/probe\_roms.h  
Source: isci/Makefile

Licence: GPLv2

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Driver: ar5523 -- Atheros AR5523 based USB Wifi dongles

File: ar5523.bin

Licence: Redistributable. See LICENCE.atheros\_firmware for details

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Driver: s5p-mfc - Samsung MFC video encoder/decoder driver

File: s5p-mfc.fw  
File: s5p-mfc-v6.fw  
File: s5p-mfc-v6-v2.fw  
File: s5p-mfc-v7.fw  
File: s5p-mfc-v8.fw

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Driver: carl9170 -- Atheros AR9170 802.11 draft-n USB driver

File: carl9170-1.fw  
Version: 1.9.6  
Source: carl9170fw/

Downloaded from <http://linuxwireless.org/en/users/Drivers/carl9170>

Licence: GPLv2. Some build scripts use the New BSD (3-clause) licence.

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Driver: snd-hda-codec-ca0132 - Creative Sound Core3D codec

File: ctefx.bin  
File: ctspeq.bin

Licence: Redistributable. See LICENCE.ca0132 for details

Found also in alsa-firmware package.

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Driver: btusb - Bluetooth USB driver

File: intel/ibt-hw-37.7.bseq  
Version: 1316.02.00  
File: intel/ibt-hw-37.7.10-fw-1.80.2.3.d.bseq  
BT\_WilkinsPeak\_B3\_REL\_85\_0001  
File: intel/ibt-hw-37.7.10-fw-1.0.2.3.d.bseq  
BT\_WilkinsPeak\_B3\_REL\_85\_0001  
File: intel/ibt-hw-37.7.10-fw-1.80.1.2d.d.bseq  
Version: BT\_WilkinsPeak\_B5\_REL\_37\_0001  
File: intel/ibt-hw-37.7.10-fw-1.0.1.2d.d.bseq  
Version: BT\_WilkinsPeak\_B5\_REL\_37\_0001  
File: intel/ibt-hw-37.8.bseq  
Version: 1339\_02.00  
File: intel/ibt-hw-37.8.10-fw-1.10.2.27.d.bseq  
Version: BT\_StonePeak\_C0\_REL\_57\_0002  
File: intel/ibt-hw-37.8.10-fw-1.10.3.11.e.bseq  
Version: BT\_StonePeak\_D0\_REL\_35\_0002  
File: intel/ibt-hw-37.8.10-fw-22.50.19.14.f.bseq  
Version: STP\_D1\_REL\_18  
File: intel/ibt-11-5.ddc  
Version: LnP/SfP\_REL0190  
File: intel/ibt-11-5.sfi  
Version: LnP/SfP\_REL0190

Licence: Redistributable. See LICENCE.ibt\_firmware for details

File: rtl\_bt/rtl8192ee\_fw.bin  
File: rtl\_bt/rtl8192eu\_fw.bin  
File: rtl\_bt/rtl8723a\_fw.bin  
File: rtl\_bt/rtl8723b\_fw.bin  
File: rtl\_bt/rtl8761a\_fw.bin  
File: rtl\_bt/rtl8812ae\_fw.bin  
File: rtl\_bt/rtl8821a\_fw.bin

Licence: Redistributable. See LICENCE.rtlwifi\_firmware.txt for details.

Found in vendor driver, linux\_bt\_usb\_2.11.20140423\_8723be.rar  
From [https://github.com/troy-tan/driver\\_store](https://github.com/troy-tan/driver_store)

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Driver: btmtk\_usb - Bluetooth USB driver

File: mt7650.bin

Licence: Redistributable. See  
LICENCE.ralink\_a\_mediatek\_company\_firmware for details

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Driver: rp2 -- Control RocketPort 2 serial driver

File: rp2.fw

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Driver: go7007

File: go7007/s2250-1.fw

File: go7007/s2250-2.fw

Link: s2250.fw -> go7007/s2250-2.fw

Link: s2250\_loader.fw -> go7007/s2250-1.fw

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File: go7007/go7007fw.bin  
File: go7007/go7007tv.bin  
File: go7007/lr192.fw  
File: go7007/px-m402u.fw  
File: go7007/px-tv402u.fw  
File: go7007/wis-startrek.fw

Licence: Redistributable. See LICENCE.go7007 for details

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Driver: microcode\_amd - AMD CPU Microcode Update Driver for Linux

File: amd-ucode/microcode\_amd.bin  
Version: 2013-07-10  
File: amd-ucode/microcode\_amd\_fam15h.bin  
Version: 2016-03-16  
File: amd-ucode/microcode\_amd\_fam16h.bin  
Version: 2014-10-28

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Driver: mxu11x0 - MOXA UPort 11x0 USB Serial hub driver

File: moxa/moxa-1110.fw  
File: moxa/moxa-1130.fw  
File: moxa/moxa-1131.fw  
File: moxa/moxa-1150.fw  
File: moxa/moxa-1151.fw

License: Redistributable. See LICENSE.moxa for details

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Driver: mxuport - MOXA UPort USB Serial hub driver

File: moxa/moxa-1250.fw  
File: moxa/moxa-1251.fw  
File: moxa/moxa-1410.fw  
File: moxa/moxa-1450.fw  
File: moxa/moxa-1451.fw  
File: moxa/moxa-1613.fw  
File: moxa/moxa-1618.fw  
File: moxa/moxa-1653.fw  
File: moxa/moxa-1658.fw

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Driver: cw1200 - ST-E CW1100/CW1200 WLAN driver

File: wsm\_22.bin  
Version: WSM395  
Licence: Redistributable. See LICENSE.cw1200 for details.

File: sdd\_sagrad\_1091\_1098.bin

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(Please note that the actual device firmware is separately licensed)

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Driver: BFA/BNA - QLogic BR-series Adapter FC/FCOE drivers

File: cbfw-3.2.1.1.bin  
File: ctfw-3.2.1.1.bin  
File: ct2fw-3.2.1.1.bin  
File: cbfw-3.2.3.0.bin  
File: ctfw-3.2.3.0.bin  
File: ct2fw-3.2.3.0.bin

File: cbfw-3.2.5.1.bin  
File: ctfw-3.2.5.1.bin  
File: ct2fw-3.2.5.1.bin

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Driver: qat - Intel(R) QAT crypto accelerator

File: qat\_895xcc.bin  
File: qat\_895xcc\_mmp.bin  
File: qat\_c3xxx.bin  
File: qat\_c3xxx\_mmp.bin  
File: qat\_c62x.bin  
File: qat\_c62x\_mmp.bin

Licence: Redistributable. See LICENCE.qat\_firmware

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Driver: rsi -- Redpine Signals Inc 91x driver

File: rsi\_91x.fw

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kernel

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Driver: xhci-rcar -- Renesas R-Car Gen2/3 USB 3.0 host controller driver

File: r8a779x\_usb3\_v1.dlmem

File: r8a779x\_usb3\_v2.dlmem

File: r8a779x\_usb3\_v3.dlmem

Licence: Redistributable. See LICENCE.r8a779x\_usb3 for details.

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-----  
Driver: snd\_soc\_sst\_acpi

File: intel/fw\_sst\_0f28.bin-48kHz\_i2s\_master

License: Redistributable. See LICENCE.fw\_sst\_0f28 for details

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-----  
Driver: as102 - Abilis Systems Single DVB-T Receiver

File: as102\_data1\_st.hex

File: as102\_data2\_st.hex

License: Redistributable. See LICENCE.Abilis for details

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-----  
Driver: it9135 -- ITEtech IT913x DVB-T USB driver

File: dvb-usb-it9135-01.fw

File: dvb-usb-it9135-02.fw

Licence: Redistributable. See LICENCE.it913x for details

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-----  
Driver: snd\_soc\_sst\_acpi

File: intel/IntcSST2.bin

Version: 8.4.1.77

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Driver: snd\_intel\_sst\_core

File: intel/fw\_sst\_0f28.bin

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Driver: snd\_intel\_sst\_core

File: intel/fw\_sst\_22a8.bin

Version: 01.0B.02.01

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Driver: snd-soc-skl

File: intel/dsp\_fw\_release.bin

Version: 8.20.00.896

md5sum: f0e267c93aa64eab7c91d64f29dc273b

License: Redistributable. See LICENCE.adsp\_sst for details

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Driver: smsmdtv - Siano MDTV Core module

File: cmmb\_vega\_12mhz.inp

File: cmmb\_venice\_12mhz.inp

File: dvb\_nova\_12mhz.inp

File: dvb\_nova\_12mhz\_b0.inp

File: isdbt\_nova\_12mhz.inp

File: isdbt\_nova\_12mhz\_b0.inp

File: isdbt\_rio.inp

File: sms1xxx-hcw-55xxx-dvbt-02.fw

File: sms1xxx-hcw-55xxx-isdbt-02.fw

File: sms1xxx-nova-a-dvbt-01.fw

File: sms1xxx-nova-b-dvbt-01.fw

File: sms1xxx-stellar-dvbt-01.fw

File: tdmv\_nova\_12mhz.inp

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Driver: xhci-tegra -- NVIDIA Tegra XHCI driver

File: nvidia/tegra124/xusb.bin  
Version: v45.46

File: nvidia/tegra210/xusb.bin  
Version: v50.10

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Driver: atusb - ATUSB IEEE 802.15.4 transceiver driver

File: atusb/atusb-0.2.dfu  
Version: 0.2  
Info: atusb/ChangeLog

Licence: GPLv2+

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Driver: qca - Qualcomm Atheros Bluetooth support for QCA61x4 chips

File: qca/nvm\_usb\_00000201.bin  
File: qca/nvm\_usb\_00000200.bin  
File: qca/nvm\_usb\_00000300.bin  
File: qca/nvm\_usb\_00000302.bin  
File: qca/nvm\_00130300.bin  
File: qca/nvm\_00130302.bin  
File: qca/rampatch\_usb\_00000200.bin  
File: qca/rampatch\_usb\_00000201.bin  
File: qca/rampatch\_usb\_00000300.bin  
File: qca/rampatch\_usb\_00000302.bin  
File: qca/rampatch\_00130300.bin  
File: qca/rampatch\_00130302.bin

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Driver: liquidio -- Cavium LiquidIO driver

File: liquidio/lio\_210nv\_nic.bin  
Version: v1.1.9

File: liquidio/lio\_210sv\_nic.bin  
Version: v1.1.9

File: liquidio/lio\_410nv\_nic.bin  
Version: v1.1.9

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Driver: i915 -- Intel Integrated Graphics driver

File: i915/skl\_dmc\_ver1\_23.bin  
File: i915/skl\_dmc\_ver1\_26.bin

File: i915/skl\_dmc\_ver1.bin  
Version: DMC API/ABI ver 1 - release 26 for Skylake

File: i915/bxt\_dmc\_ver1\_04.bin  
File: i915/bxt\_dmc\_ver1\_05.bin  
File: i915/bxt\_dmc\_ver1\_06.bin

File: i915/bxt\_dmc\_ver1.bin  
Version: DMC API/ABI ver 1 - release 06 for Broxton

File: i915/skl\_guc\_ver1\_1059.bin  
File: i915/skl\_guc\_ver4\_3.bin

File: i915/skl\_guc\_ver1.bin  
Version: Guc API/ABI ver 1 - release 1059 for Skylake

File: i915/skl\_guc\_ver4.bin  
Version: Guc API/ABI ver 4 - release 3 for Skylake

File: i915/skl\_guc\_ver6\_1.bin  
File: i915/skl\_guc\_ver6.bin  
Version: Guc API/ABI ver 6 - release 1 for Skylake

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Driver: nouveau - NVIDIA GPU driver

File: nvidia/gk20a/fecs\_data.bin  
File: nvidia/gk20a/fecs\_inst.bin  
File: nvidia/gk20a/gpccs\_data.bin  
File: nvidia/gk20a/gpccs\_inst.bin  
File: nvidia/gk20a/sw\_bundle\_init.bin  
File: nvidia/gk20a/sw\_ctx.bin  
File: nvidia/gk20a/sw\_method\_init.bin  
File: nvidia/gk20a/sw\_nonctx.bin  
File: nvidia/gm200/acr/bl.bin  
File: nvidia/gm200/acr/ucode\_load.bin

File: nvidia/gm200/acr/ucode\_unload.bin  
File: nvidia/gm200/gr/fecs\_bl.bin  
File: nvidia/gm200/gr/fecs\_data.bin  
File: nvidia/gm200/gr/fecs\_inst.bin  
File: nvidia/gm200/gr/fecs\_sig.bin  
File: nvidia/gm200/gr/gpccs\_bl.bin  
File: nvidia/gm200/gr/gpccs\_data.bin  
File: nvidia/gm200/gr/gpccs\_inst.bin  
File: nvidia/gm200/gr/gpccs\_sig.bin  
File: nvidia/gm200/gr/sw\_bundle\_init.bin  
File: nvidia/gm200/gr/sw\_ctx.bin  
File: nvidia/gm200/gr/sw\_method\_init.bin  
File: nvidia/gm200/gr/sw\_nonctx.bin  
File: nvidia/gm204/acr/bl.bin  
File: nvidia/gm204/acr/ucode\_load.bin  
File: nvidia/gm204/acr/ucode\_unload.bin  
File: nvidia/gm204/gr/fecs\_bl.bin  
File: nvidia/gm204/gr/fecs\_data.bin  
File: nvidia/gm204/gr/fecs\_inst.bin  
File: nvidia/gm204/gr/fecs\_sig.bin  
File: nvidia/gm204/gr/gpccs\_bl.bin  
File: nvidia/gm204/gr/gpccs\_data.bin  
File: nvidia/gm204/gr/gpccs\_inst.bin  
File: nvidia/gm204/gr/gpccs\_sig.bin  
File: nvidia/gm204/gr/sw\_bundle\_init.bin  
File: nvidia/gm204/gr/sw\_ctx.bin  
File: nvidia/gm204/gr/sw\_method\_init.bin  
File: nvidia/gm204/gr/sw\_nonctx.bin  
File: nvidia/gm206/acr/bl.bin  
File: nvidia/gm206/acr/ucode\_load.bin  
File: nvidia/gm206/acr/ucode\_unload.bin  
File: nvidia/gm206/gr/fecs\_bl.bin  
File: nvidia/gm206/gr/fecs\_data.bin  
File: nvidia/gm206/gr/fecs\_inst.bin  
File: nvidia/gm206/gr/fecs\_sig.bin  
File: nvidia/gm206/gr/gpccs\_bl.bin  
File: nvidia/gm206/gr/gpccs\_data.bin  
File: nvidia/gm206/gr/gpccs\_inst.bin  
File: nvidia/gm206/gr/gpccs\_sig.bin  
File: nvidia/gm206/gr/sw\_bundle\_init.bin  
File: nvidia/gm206/gr/sw\_ctx.bin  
File: nvidia/gm206/gr/sw\_method\_init.bin  
File: nvidia/gm206/gr/sw\_nonctx.bin  
File: nvidia/gm20b/acr/bl.bin  
File: nvidia/gm20b/acr/ucode\_load.bin  
File: nvidia/gm20b/gr/fecs\_bl.bin  
File: nvidia/gm20b/gr/fecs\_data.bin  
File: nvidia/gm20b/gr/fecs\_inst.bin  
File: nvidia/gm20b/gr/fecs\_sig.bin  
File: nvidia/gm20b/gr/gpccs\_bl.bin  
File: nvidia/gm20b/gr/gpccs\_data.bin  
File: nvidia/gm20b/gr/gpccs\_inst.bin  
File: nvidia/gm20b/gr/gpccs\_sig.bin  
File: nvidia/gm20b/gr/sw\_bundle\_init.bin

File: nvidia/gm20b/gr/sw\_ctx.bin  
File: nvidia/gm20b/gr/sw\_method\_init.bin  
File: nvidia/gm20b/gr/sw\_nonctx.bin

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Driver: wilc1000 - Atmel 802.11n WLAN driver for WILC1000

File: atmel/wilc1000\_fw.bin  
File: atmel/wilc1000\_ap\_fw.bin  
File: atmel/wilc1000\_p2p\_fw.bin

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Driver: hfi1 - Intel OPA Gen 1 adapter

File: hfi1\_dc8051.fw  
Version: 0.35  
File: hfi1\_fabric.fw  
File: hfi1\_pcie.fw  
File: hfi1\_sbus.fw

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Driver: knav\_qmss\_queue - TI Keystone 2 QMSS driver

File: ti-keystone/ks2\_qmss\_pdsp\_acc48\_k2\_le\_1\_0\_0\_9.bin

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Driver: mwlwifi - Marvell mac80211 driver for 80211ac cards.

File: mwlwifi/88W8864.bin  
Version: 7.2.8.6

File: mwlwifi/88W8897.bin  
Version: 8.2.0.10

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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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(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.

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.

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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

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specified materials from the same place.

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materials or that you have already sent this user a copy.

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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.

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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.

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Some devices are designed to deny users access to install or run  
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can do so. This is fundamentally incompatible with the aim of  
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use, which is precisely where it is most unacceptable. Therefore,  
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have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

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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"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the

public, and in some countries other activities as well.

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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 "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for

the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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in an aggregate does not cause this License to apply to the other  
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machine-readable Corresponding Source under the terms of this  
License,  
in one of these ways:

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(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 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  
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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.
- 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 the same way through the same place at no 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 Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to

install  
and execute modified versions of a covered work in that User Product  
from  
a modified version of its Corresponding Source. The information  
must  
suffice to ensure that the continued functioning of the modified  
object  
code is in no case prevented or interfered with solely because  
modification has been made.

If you convey an object code work under this section in, or with,  
or  
specifically for use in, a User Product, and the conveying occurs as  
part of a transaction in which the right of possession and use of  
the  
User Product is transferred to the recipient in perpetuity or for a  
fixed term (regardless of how the transaction is characterized), the  
Corresponding Source conveyed under this section must be accompanied  
by the Installation Information. But this requirement does not  
apply  
if neither you nor any third party retains the ability to install  
modified object code on the User Product (for example, the work has  
been installed in ROM).

The requirement to provide Installation Information does not  
include a  
requirement to continue to provide support service, warranty, or  
updates  
for a work that has been modified or installed by the recipient, or  
for  
the User Product in which it has been modified or installed. Access  
to a  
network may be denied when the modification itself materially and  
adversely affects the operation of the network or violates the rules  
and  
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information  
provided,  
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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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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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(2)

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```
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perl-crypt-openssl-random-0.11: LICENSE file
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```
Gnomovision version 69, Copyright (C) 19xx 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.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make
passes
at assemblers) written by James Hacker.
```

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

That's all there is to it!

```
.....
perl-5.22.2: README file
.....
```

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## ABOUT PERL =====

Perl is a general-purpose programming language originally developed for text manipulation and now used for a wide range of tasks including system administration, web development, network programming, GUI development, and more.

The language is intended to be practical (easy to use, efficient, complete) rather than beautiful (tiny, elegant, minimal). Its major features are that it's easy to use, supports both procedural and object-oriented (OO) programming, has powerful built-in support for text processing, and has one of the world's most impressive collections of third-party modules.

For an introduction to the language's features, see `pod/perlintro.pod`.

For a discussion of the important changes in this release, see `pod/perldelta.pod`.

There are also many Perl books available, covering a wide variety of topics, from various publishers. See `pod/perlbook.pod` for more information.

## INSTALLATION =====

If you're using a relatively modern operating system and want to install this version of Perl locally, run the following commands:

```
./Configure -des -Dprefix=$HOME/localperl  
make test  
make install
```

This will configure and compile perl for your platform, run the regression tests, and install perl in a subdirectory "localperl" of your home directory.

If you run into any trouble whatsoever or you need to install a customized version of Perl, you should read the detailed instructions in the "INSTALL" file that came with this distribution. Additionally, there are a number of "README" files with hints and tips about building and using Perl on a wide variety of platforms, some more common than others.

Once you have Perl installed, a wealth of documentation is available to you through the 'perldoc' tool. To get started, run this command:

```
perldoc perl
```

#### IF YOU RUN INTO TROUBLE

=====

Perl is a large and complex system that's used for everything from knitting to rocket science. If you run into trouble, it's quite likely that someone else has already solved the problem you're facing. Once you've exhausted the documentation, please report bugs to us using the 'perlbug' tool. For more information about perlbug, either type 'perldoc perlbug' or just 'perlbug' on a line by itself.

While it was current when we made it available, Perl is constantly evolving and there may be a more recent version that fixes bugs you've run into or adds new features that you might find useful.

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```
.....  
perl-file-listing-6.04: README file  
.....
```

NAME

File::Listing - parse directory listing

SYNOPSIS

```
use File::Listing qw(parse_dir);  
$ENV{LANG} = "C"; # dates in non-English locales not supported  
for (parse_dir(`ls -l`)) {
```

```

    ($name, $type, $size, $mtime, $mode) = @$_;
    next if $type ne 'f'; # plain file
    #...
}

```

```

# directory listing can also be read from a file
open(LISTING, "zcat ls-lR.gz|");
$dir = parse_dir(\*LISTING, '+0000');

```

## DESCRIPTION

This module exports a single function called `parse_dir()`, which can be used to parse directory listings.

The first parameter to `parse_dir()` is the directory listing to parse. It can be a scalar, a reference to an array of directory lines or a glob representing a filehandle to read the directory listing from.

The second parameter is the time zone to use when parsing time stamps in the listing. If this value is undefined, then the local time zone is assumed.

The third parameter is the type of listing to assume. Currently supported formats are 'unix', 'apache' and 'dosftp'. The default value is 'unix'. Ideally, the listing type should be determined automatically.

The fourth parameter specifies how unparseable lines should be treated.

Values can be 'ignore', 'warn' or a code reference. Warn means that the `perl warn()` function will be called. If a code reference is passed, then this routine will be called and the return value from it will be incorporated in the listing. The default is 'ignore'.

Only the first parameter is mandatory.

The return value from `parse_dir()` is a list of directory entries. In a scalar context the return value is a reference to the list. The directory entries are represented by an array consisting of [ \$filename, \$filetype, \$filesize, \$filetime, \$filemode ]. The \$filetype value is one of the letters 'f', 'd', 'l' or '?'. The \$filetime value is the seconds since Jan 1, 1970. The \$filemode is a bitmask like the mode returned by

stat().

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and  
`Net::FTP's parse_dir` (Graham Barr).

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.....  
perl-http-date-6.02: README file  
.....

#### NAME

`HTTP::Date` - date conversion routines

#### SYNOPSIS

```
use HTTP::Date;

$string = time2str($time);    # Format as GMT ASCII time
$time = str2time($string);   # convert ASCII date to machine
time
```

#### DESCRIPTION

This module provides functions that deal the date formats used  
by the  
HTTP protocol (and then some more). Only the first two  
functions,  
`time2str()` and `str2time()`, are exported by default.

```
time2str( [$time] )
    The time2str() function converts a machine time (seconds
since
epoch) to a string. If the function is called without an
argument or
with an undefined argument, it will use the current time.

    The string returned is in the format preferred for the HTTP
defined by RFC
1123, represented in Universal Time (GMT). An example of a
time
stamp in this format is:
```

```
Sun, 06 Nov 1994 08:49:37 GMT
```

```
str2time( $str [, $zone] )
    The str2time() function converts a string to machine time.
```

It returns `undef` if the format of \$str is unrecognized, otherwise whatever the `Time::Local` functions can make out of the parsed time. Dates before the system's epoch may not work on all operating systems. The time formats recognized are the same as for parse\_date().

The function also takes an optional second argument that specifies the default time zone to use when converting the date. This parameter is ignored if the zone is found in the date string itself. If this parameter is missing, and the date string format does not contain any zone specification, then the local time zone is assumed.

If the zone is not "`GMT`" or numerical (like "`-0800`" or "`+0100`"), then the `Time::Zone` module must be installed in order to get the date recognized.

parse\_date( \$str )  
This function will try to parse a date string, and then return it as a list of numerical values followed by a (possible undefined) time zone specifier; (\$year, \$month, \$day, \$hour, \$min, \$sec, \$tz). The \$year returned will not have the number 1900 subtracted from it and the \$month numbers start with 1.

In scalar context the numbers are interpolated in a string of the "YYYY-MM-DD hh:mm:ss TZ"-format and returned.

If the date is unrecognized, then the empty list is returned.

The function is able to parse the following formats:

|        |                                     |                       |
|--------|-------------------------------------|-----------------------|
| format | "Wed, 09 Feb 1994 22:23:32 GMT"     | -- HTTP format        |
| format | "Thu Feb 3 17:03:55 GMT 1994"       | -- ctime(3) format    |
| format | "Thu Feb 3 00:00:00 1994",          | -- ANSI C asctime()   |
| format | "Tuesday, 08-Feb-94 14:15:29 GMT"   | -- old rfc850 HTTP    |
| format | "Tuesday, 08-Feb-1994 14:15:29 GMT" | -- broken rfc850 HTTP |

```

"03/Feb/1994:17:03:55 -0700" -- common logfile format
"09 Feb 1994 22:23:32 GMT" -- HTTP format (no weekday)
"08-Feb-94 14:15:29 GMT" -- rfc850 format (no
weekday)
"08-Feb-1994 14:15:29 GMT" -- broken rfc850 format (no
weekday)

"1994-02-03 14:15:29 -0100" -- ISO 8601 format
"1994-02-03 14:15:29" -- zone is optional
"1994-02-03" -- only date
"1994-02-03T14:15:29" -- Use T as separator
"19940203T141529Z" -- ISO 8601 compact format
"19940203" -- only date

"08-Feb-94" -- old rfc850 HTTP format (no
weekday, no time)
"08-Feb-1994" -- broken rfc850 HTTP format (no
weekday, no time)
"09 Feb 1994" -- proposed new HTTP format (no
weekday, no time)
"03/Feb/1994" -- common logfile format (no time,
no offset)

"Feb 3 1994" -- Unix 'ls -l' format
"Feb 3 17:03" -- Unix 'ls -l' format

"11-15-96 03:52PM" -- Windows 'dir' format

```

allow  
most  
The parser ignores leading and trailing whitespace. It also  
the seconds to be missing and the month to be numerical in  
formats.

first  
with only  
makes the  
year closest to the current date.  
If the year is missing, then we assume that the date is the  
matching date \*before\* current month. If the year is given  
2 digits, then parse\_date() will select the century that

```

time2iso( [$time] )
    Same as time2str(), but returns a "YYYY-MM-DD hh:mm:ss"-
formatted
    string representing time in the local time zone.

```

```

time2isoz( [$time] )
    Same as time2str(), but returns a "YYYY-MM-DD hh:mm:ssZ"-
formatted
    string representing Universal Time.

```

SEE ALSO  
perlfunc, Time::Zone



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```
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.....

perl-timedate-2.30: README file

.....

This is the perl5 TimeDate distribution. It requires perl version 5.003 or later

This distribution replaces my earlier GetDate distribution, which was only a date parser. The date parser contained in this distribution is far superior to the yacc based parser, and a \*lot\* faster.

The parser contained here will only parse absolute dates, if you want a date parser that can parse relative dates then take a look at the Time modules by David Muir on CPAN.

You install the library by running these commands:

```
perl Makefile.PL
make
make test
make install
```

Please report any bugs/suggestions to <gbarr@pobox.com>

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perl-xml-libxml-2.0126: LICENSE file  
.....

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.....  
perl-xml-namespacesupport-1.11: README file  
.....

XML::NamespaceSupport

This module offers a simple way to process namespaced XML names (unames) from within any application that may need them. It also helps maintain a prefix to namespace URI map, and provides a number of basic checks.

The model for this module is SAX2's NamespaceSupport class, readable at

<http://www.megginson.com/SAX/Java/javadoc/org/xml/sax/helpers/namespace/namespace.html>.

It adds a few perlizations where we thought it appropriate, and supports the Namespaces in XML 1.1 specification.

-- Robin Berjon <rberjon@cpan.org>

.....  
perl-xml-sax-0.99: LICENSE file  
.....

XML::SAX is dual licensed under the same terms as Perl itself.

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(should we include the full text here?)

.....  
perl-xml-sax-base-1.08: README file  
.....

XML::SAX::Base is intended for use as a base class for SAX filter modules and XML parsers generating SAX events.

If you simply wish to build a SAX handler class to 'consume' SAX events you do not need to use XML::SAX::Base directly although you will need to install XML::SAX.

This module used to be distributed as part of the XML:SAX distribution but is now distributed separately and referenced as a dependency by XML::SAX.

#### INSTALLATION:

via tarball:

```
% tar -zxvf XML-SAX-Base-xxx.tar.gz
% perl Makefile.PL
% make && make test
% make install
```

via CPAN shell:

```
% perl -MCPAN -e shell
% install XML::SAX::Base
```

The rest of this file consists of the fine XML::SAX::Base documentation contributed by Robin Berjon.

Enjoy!

=head1 NAME

XML::SAX::Base – Base class SAX Drivers and Filters

=head1 SYNOPSIS

```
package MyFilter;
use XML::SAX::Base;
@ISA = ('XML::SAX::Base');
```

=head1 DESCRIPTION

This module has a very simple task – to be a base class for PerlSAX drivers and filters. It's default behaviour is to pass the input directly to the output unchanged. It can be useful to use this module as a base class so you don't have to, for example, implement the characters() callback.

The main advantages that it provides are easy dispatching of events the right way (ie it takes care for you of checking that the handler has

implemented  
that method, or has defined an AUTOLOAD), and the guarantee that  
filters  
will pass along events that they aren't implementing to handlers  
downstream  
that might nevertheless be interested in them.

=head1 WRITING SAX DRIVERS AND FILTERS

The Perl Sax API Reference is at L<<http://perl-xml.sourceforge.net/perl-sax/>>.

Writing SAX Filters is tremendously easy: all you need to do is  
inherit from this module, and define the events you want to handle.

A

more detailed explanation can be found at  
<http://www.xml.com/pub/a/2001/10/10/sax-filters.html>.

Writing Drivers is equally simple. The one thing you need to pay  
attention to is B<NOT> to call events yourself (this applies to  
Filters  
as well). For instance:

```
package MyFilter;
use base qw(XML::SAX::Base);

sub start_element {
    my $self = shift;
    my $data = shift;
    # do something
    $self->{Handler}->start_element($data); # BAD
}
```

The above example works well as precisely that: an example. But it  
has  
several faults: 1) it doesn't test to see whether the handler  
defines  
start\_element. Perhaps it doesn't want to see that event, in which  
case you shouldn't throw it (otherwise it'll die). 2) it doesn't  
check  
ContentHandler and then Handler (ie it doesn't look to see that the  
user hasn't requested events on a specific handler, and if not on  
the  
default one), 3) if it did check all that, not only would the code  
be  
cumbersome (see this module's source to get an idea) but it would  
also  
probably have to check for a DocumentHandler (in case this were  
SAX1)  
and for AUTOLOADs potentially defined in all these packages. As you  
can  
tell, that would be fairly painful. Instead of going through that,  
simply remember to use code similar to the following instead:

```

package MyFilter;
use base qw(XML::SAX::Base);

sub start_element {
    my $self = shift;
    my $data = shift;
    # do something to filter
    $self->SUPER::start_element($data); # GOOD (and easy) !
}

```

This way, once you've done your job you hand the ball back to XML::SAX::Base and it takes care of all those problems for you!

Note that the above example doesn't apply to filters only, drivers will benefit from the exact same feature.

#### =head1 METHODS

A number of methods are defined within this class for the purpose of inheritance. Some probably don't need to be overridden (eg parse\_file) but some clearly should be (eg parse). Options for these methods are described in the PerlSAX2 specification available from <http://cvs.sourceforge.net/cgi-bin/viewcvs.cgi/~checkout~/perl-xml/libxml-perl/doc/sax-2.0.html?rev=HEAD&content-type=text/html>.

=over 4

=item \* parse

The parse method is the main entry point to parsing documents. Internally the parse method will detect what type of "thing" you are parsing, and call the appropriate method in your implementation class. Here is the mapping table of what is in the Source options (see the Perl SAX 2.0 specification for the meaning of these values):

| Source Contains<br>=====          | parse() calls<br>=====                 |
|-----------------------------------|--|
| CharacterStream (*)<br>\$options) | _parse_characterstream(\$stream,       |
| ByteStream                        | _parse_bytestream(\$stream, \$options) |
| String                            | _parse_string(\$string, \$options)     |
| SystemId                          | _parse_systemid(\$string, \$options)   |

However note that these methods may not be sensible if your driver class is not for parsing XML. An example might be a DBI driver that generates XML/SAX from a database table. If that is the case, you likely want to write your own parse() method.

Also note that the Source may contain both a PublicId entry, and an Encoding entry. To get at these, examine \$options->{Source} as passed to your method.

(\*) A CharacterStream is a filehandle that does not need any encoding translation done on it. This is implemented as a regular filehandle and only works under Perl 5.7.2 or higher using PerlIO. To get a single character, or number of characters from it, use the perl core read() function. To get a single byte from it (or number of bytes), you can use sysread(). The encoding of the stream should be in the Encoding entry for the Source.

=item \* parse\_file, parse\_uri, parse\_string

These are all convenience variations on parse(), and in fact simply set up the options before calling it. You probably don't need to override these.

=item \* get\_options

This is a convenience method to get options in SAX2 style, or more generically either as hashes or as hashrefs (it returns a hashref). You will probably want to use this method in your own implementations of parse() and of new().

=item \* get\_feature, set\_feature

These simply get and set features, and throw the appropriate exceptions defined in the specification if need be.

If your subclass defines features not defined in this one, then you should override these methods in such a way that they check for your features first, and then call the base class's methods for features not defined by your class. An example would be:

```
sub get_feature {
    my $self = shift;
    my $feat = shift;
    if (exists $MY_FEATURES{$feat}) {
        # handle the feature in various ways
    }
    else {
        return $self->SUPER::get_feature($feat);
    }
}
```

Currently this part is unimplemented.

=back

It would be rather useless to describe all the methods that this module implements here. They are all the methods supported in SAX1 and SAX2. In case your memory is a little short, here is a list. The apparent duplicates are there so that both versions of SAX can be supported.

=over 4

=item \* start\_document

=item \* end\_document

=item \* start\_element

=item \* start\_document

=item \* end\_document

=item \* start\_element

=item \* end\_element

=item \* characters

=item \* processing\_instruction

=item \* ignorable\_whitespace

=item \* set\_document\_locator

=item \* start\_prefix\_mapping

=item \* end\_prefix\_mapping

=item \* skipped\_entity

=item \* start\_cdata

=item \* end\_cdata

=item \* comment

=item \* entity\_reference

=item \* notation\_decl

=item \* unparsed\_entity\_decl

=item \* element\_decl

=item \* attlist\_decl



=item \* doctype\_decl

=item \* xml\_decl

=item \* entity\_decl

=item \* attribute\_decl

=item \* internal\_entity\_decl

=item \* external\_entity\_decl

=item \* resolve\_entity

=item \* start\_dtd

=item \* end\_dtd

=item \* start\_entity

=item \* end\_entity

=item \* warning

=item \* error

=item \* fatal\_error

=back

=head1 TODO

- more tests
- conform to the "SAX Filters" and "Java and DOM compatibility" sections of the SAX2 document.

=head1 AUTHOR

Kip Hampton (khampton@totalcinema.com) did most of the work, after porting it from XML::Filter::Base.

Robin Berjon (robin@knowscape.com) pitched in with patches to make it usable as a base for drivers as well as filters, along with other patches.

Matt Sergeant (matt@sergeant.org) wrote the original XML::Filter::Base, and patched a few things here and there, and imported it into the XML::SAX distribution.

=head1 SEE ALSO

L<XML::SAX>

=cut

```
.....  
picocom-2.1: LICENSE.txt file  
.....
```

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file  
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```

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```

```

#ifndef __UBUSD_ACL_H
#define __UBUSD_ACL_H

enum ubusd_acl_type {
    UBUS_ACL_PUBLISH,
    UBUS_ACL_SUBSCRIBE,
    UBUS_ACL_ACCESS,
};

```

```

int ubusd_acl_check(struct ubus_client *cl, const char *obj, const
char *method, enum ubusd_acl_type type);
int ubusd_acl_init_client(struct ubus_client *cl, int fd);
void ubusd_acl_load(void);

```

```

#endif

```

```

:-----:
      unrar-5.4.3: license.txt file
:-----:

```

```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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```
.....
      wilc1000-firmware-14.1: unknown license file(s)
.....
```

```
.....
      wpa_supplicant-2.5: README file
.....
```

## wpa\_supplicant and hostapd

-----

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This package may include either wpa\_supplicant, hostapd, or both.  
See  
README file respective subdirectories (wpa\_supplicant/README or  
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Source code files were moved around in v0.6.x releases and compared  
to  
earlier releases, the programs are now built by first going to a  
subdirectory (wpa\_supplicant or hostapd) and creating build  
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