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For QIAcube Connect and QIAcube Connect MDx

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Version 2.0, January 2004

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Version 2, June 1991

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Version 2.1, February 1999

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.



All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release Derived Year Owner GPL- from compatible? (1)

0.9.0 thru 1.2 1991-1995 CWI yes

1.3 thru 1.5.2 1.2 1995-1999 CNRI yes

1.6 1.5.2 2000 CNRI no

2.0 1.6 2000 BeOpen.com no

1.6.1 1.6 2001 CNRI yes (2)

2.1 2.0+1.6.1 2001 PSF no

2.0.1 2.0+1.6.1 2001 PSF yes

2.1.1 2.1+2.0.1 2001 PSF yes

2.2 2.1.1 2001 PSF yes

2.1.2 2.1.1 2002 PSF yes

2.1.3 2.1.2 2002 PSF yes

2.2.1 2.2 2002 PSF yes

2.2.2 2.2.1 2002 PSF yes

2.2.3 2.2.2 2003 PSF yes

2.3 2.2.2 2002-2003 PSF yes

2.3.1 2.3 2002-2003 PSF yes

2.3.2 2.3.1 2002-2003 PSF yes

2.3.3 2.3.2 2002-2003 PSF yes

2.3.4 2.3.3 2004 PSF yes

2.3.5 2.3.4 2005 PSF yes

2.4 2.3 2004 PSF yes

2.4.1 2.4 2005 PSF yes



2.4.2 2.4.1 2005 PSF yes  
2.4.3 2.4.2 2006 PSF yes  
2.4.4 2.4.3 2006 PSF yes  
2.5 2.4 2006 PSF yes  
2.5.1 2.5 2007 PSF yes  
2.5.2 2.5.1 2008 PSF yes  
2.5.3 2.5.2 2008 PSF yes  
2.6 2.5 2008 PSF yes  
2.6.1 2.6 2008 PSF yes

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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-----  
src/murmurhashneutral2.[hc]

~~~~~

This fast hash implementation is released to the public domain by Austin Appleby. See
<http://murmurhash.googlecode.com>.

src/minitrace.[hc]

~~~~~

A library for producing JSON traces suitable for Chrome's built-in trace viewer  
(chrome://tracing). Downloaded from <<https://github.com/hrydgard/minitrace>>.

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-----  
src/snprintf.c and m4/snprintf.m4  
~~~~~

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src/zlib/*.hc
~~~~~

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Version 3, 29 June 2007

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

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

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Version 3, 29 June 2007

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## 28. wget

QIACube Connect uses the wget in version 1.19.5, published under the license: GPLv3.



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Version 3, 29 June 2007

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## [README.ijg](#)

libjpeg-turbo note: This file has been modified by The libjpeg-turbo Project to include only information relevant to libjpeg-turbo, to wordsmith certain sections, and to remove impolitic language that existed in the libjpeg v8 README. It is included only for reference. Please see README.md for information specific to libjpeg-turbo.

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#### DOCUMENTATION ROADMAP

=====

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.

LEGAL ISSUES Copyright, lack of warranty, terms of distribution.

REFERENCES Where to learn more about JPEG.

ARCHIVE LOCATIONS Where to find newer versions of this software.

FILE FORMAT WARS Software *\*not\** to get.

TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation: usage.txt Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.

\*.1 Unix-style man pages for programs (same info as usage.txt).

wizard.txt Advanced usage instructions for JPEG wizards only.

change.log Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.txt How to use the JPEG library in your own programs.

example.txt Sample code for calling the JPEG library.

structure.txt Overview of the JPEG library's internal structure.

coderules.txt Coding style rules --- please read if you contribute code.

Please read at least usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.



If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

## OVERVIEW

=====

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and grayscale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-



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The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent (now expired), GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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#### REFERENCES

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We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PDF file containing a revised version of wallace's article is available at <http://www.ijg.org/files/wallace.JPEG.pdf>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van



Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2).

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details, we follow the "JFIF" conventions, revision 1.02. JFIF version 1 has been adopted as ISO/IEC 10918-5 (05/2013) and Recommendation ITU-T T.871 (05/2011): Information technology - Digital compression and coding of continuous-tone still images: JPEG File Interchange Format (JFIF). It is available as a free download in PDF file format from <https://www.iso.org/standard/54989.html> and <http://www.itu.int/rec/T-REC-T.871>. A PDF file of the older JFIF 1.02 specification is available at <http://www.w3.org/Graphics/JPEG/jfif3.pdf>.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.ijg.org/files/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

#### ARCHIVE LOCATIONS

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The "official" archive site for this software is [www.ijg.org](http://www.ijg.org). The most recent released version can always be found there in directory "files".

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG. It is available on the world wide web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu](http://rtfm.mit.edu): <ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/>. If you don't have web or FTP access, send e-mail to [mail-server@rtfm.mit.edu](mailto:mail-server@rtfm.mit.edu) with body send usenet/news.answers/jpeg-faq/part1 send usenet/news.answers/jpeg-faq/part2

#### FILE FORMAT COMPATIBILITY

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This software implements ITU T.81 | ISO/IEC 10918 with some extensions from ITU T.871 | ISO/IEC 10918-5 (JPEG File Interchange Format-- see REFERENCES). Informally, the term "JPEG image" or "JPEG file" most often refers to JFIF or a subset thereof, but there are other formats containing the name "JPEG" that are incompatible with the DCT-based JPEG standard or with JFIF (for instance, JPEG 2000 and JPEG XR). This software therefore does not support these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on a common, interoperable format standard for JPEG files.

JFIF is a minimal or "low end" representation. TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) can be used for "high end" applications that need to record a lot of additional data about an image.

TO DO

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Please send bug reports, offers of help, etc. to [jpeg-info@jpegclub.org](mailto:jpeg-info@jpegclub.org).

## 49. kmod

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Version 2.1, February 1999

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Version 3, 29 June 2007

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## 70. libusb

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# 71. libzlib

QlAcube Connect uses the libzlib in version v1.2.11, published under the license: Zlib.

README

ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.11 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](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/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>](mailto:zlib@gzip.org), or to Gilles Vollant [<info@winimage.com>](mailto: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>](mailto:markn@ieee.org) wrote an article about zlib for the Jan. 1997 issue of Dr. Dobbs's Journal; a copy of the article is available at <http://marknelson.us/1997/01/01/zlib-engine/>.

The changes made in version 1.2.11 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>](mailto: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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Jean-loup Gailly Mark Adler jloup@gzip.org madler@alumni.caltech.edu

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## 72. linux-firmware

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## WHENCE

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This file attempts to document the origin and licensing information, if known, for each piece of firmware distributed for use with the Linux kernel.

-----

Driver: BCM-0bb4-0306 Cypress Bluetooth firmware for HTC Vive

File: brcm/BCM-0bb4-0306.hcd

Licence: Redistributable. See LICENCE.cypress for details.



-----  
Driver: ambassador -- Madge Ambassador (Collage PCI 155 Server) ATM NIC.

File: atmsar11.fw

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

Madge Ambassador ATM Adapter microcode.

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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.

-----  
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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-----  
Driver: snd-ymfpci -- Yamaha YM724/740/744/754 audio devices

File: yamaha/ds1\_ctrl.fw

File: yamaha/ds1\_dsp.fw

File: yamaha/ds1e\_ctrl.fw



Licence: Unknown

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-----  
Driver: advansys - Advansys SCSI

File: advansys/mcode.bin

File: advansys/3550.bin

File: advansys/38C0800.bin

File: advansys/38C1600.bin

Licence: BSD, no source available.

Found in hex form in kernel source.

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

File: qlogic/1040.bin

File: qlogic/1280.bin

File: qlogic/12160.bin

Licence: Redistributable. See LICENCE.qla1280 for details

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

File: tr\_smctr.bin

Version: 6.3C1

Info: MCT.BIN v6.3C1 03/01/95

Original licence info:

\* This firmware is licensed to you strictly for use in conjunction \* with the use of SMC  
TokenRing adapters. There is no warranty \* expressed or implied about its fitness for any  
purpose.



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

Licence: Redistributable. See LICENCE.kaweth for details

Found in hex form in the kernel source.

-----

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

File: ttusb-budget/dspbootcode.bin

Licence: Unknown

Found in hex form in the kernel source.

-----

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

File: keyspan/usa28x.fw

File: keyspan/usa49w.fw

File: keyspan/usa49wlc.fw



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

Original licence information:

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This firmware may not be modified and may only be used with keyspan hardware. Distribution and/or Modification of the keyspan.c driver which includes this firmware, in whole or in part, requires the inclusion of this statement."

-----

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 or later. See GPL-2 and GPL-3 for details.

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 as an unpublished work. This notice does not imply unrestricted or public access to this firmware which is a trade secret of Emagic, and which may not be reproduced, used, sold or transferred to any third party without Emagic's written consent. All Rights Reserved.

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This firmware may not be modified and may only be used with the Emagic EMI 2|6 Audio Interface. Distribution and/or Modification of any driver which includes this firmware, in whole or in part, requires the inclusion of this statement.

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

File: emi62/bitstream.fw

Version: 1.0.0.191

Info: DATE= 2002oct28

File: emi62/loader.fw

Version: 1.0.2.002

Info: DATE=10.01.2002

File: emi62/midi.fw

Version: 1.04.062

Info: DATE=16.10.2002

File: emi62/spdif.fw

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

-----  
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

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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-----

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

File: vicam/firmware.fw

Licence: Unknown

Found in hex form in kernel source.

-----

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 v1.063

//\* 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.

-----

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. See GPL-2 and GPL-3 for details.

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: 8.07.00 MID

File: ql2500\_fw.bin

Version: 8.07.00 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

---

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: Free software. See LICENCE.open-ath9k-htc-firmware for details

---

Driver: cassini - Sun Cassini

File: sun/cassini.bin

Licence: Unknown

Found in hex form in kernel source.

---

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

Licence:

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Driver: sxg - Alacritech IS-NIC products

File: sxg/saharadownloadB.sys

File: sxg/saharadbdownloadB.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 4/5/6 1/10/25/40/100G Ethernet adapter

File: cxgb4/t4fw-1.14.4.0.bin

File: cxgb4/t4fw-1.15.37.0.bin

File: cxgb4/t4fw-1.23.4.0.bin

Link: cxgb4/t4fw.bin -> t4fw-1.23.4.0.bin

File: cxgb4/t5fw-1.14.4.0.bin

File: cxgb4/t5fw-1.15.37.0.bin



File: cxgb4/t5fw-1.23.4.0.bin

Link: cxgb4/t5fw.bin -> t5fw-1.23.4.0.bin

File: cxgb4/t6fw-1.23.4.0.bin

Link: cxgb4/t6fw.bin -> t6fw-1.23.4.0.bin

File: cxgb4/aq1202\_fw.cld

File: cxgb4/bcm8483.bin

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

-----

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://alton.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



Licence:

Firmware is:

Derived from proprietary unpublished source code,

Copyright (C) 2000-2013 Broadcom Corporation.

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Found in hex form in kernel source.

-----  
Driver: starfire - Adaptec Starfire/DuraLAN support

File: adaptec/starfire\_rx.bin

File: adaptec/starfire\_tx.bin

Licence: Allegedly GPLv2, but no source visible.

Found in hex form in kernel source, with the following notice:

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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/lbtfsdio.bin

Version: 9.0.7.p4

File: lbtfsusb.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: mw18k - Marvell Libertas softmac-type 802.11b/g/n cards

File: mw18k/fmimage\_8687.fw

File: mw18k/helper\_8687.fw

File: mw18k/fmimage\_8366.fw

File: mw18k/fmimage\_8366\_ap-1.fw

File: mw18k/fmimage\_8366\_ap-2.fw

File: mw18k/fmimage\_8366\_ap-3.fw

Version: 5.2.8.16

File: mw18k/helper\_8366.fw

File: mw18k/fmimage\_8764\_ap-1.fw

Version: 7.4.0.9

Licence: Redistributable. See LICENCE.Marvell for details. 8687 images downloaded from Marvell's "Extranet" with permission. 8366 images contributed directly by Marvell.



-----  
Driver: mwifiex - Marvell Wi-Fi fullmac-type 802.11n/ac cards

File: mrvl/sd8787\_uapsta.bin

Version: w14.68.35.p66

File: mrvl/usb8766\_uapsta.bin

Version: 14.68.22.p16

File: mrvl/sd8797\_uapsta.bin

Version: w14.68.29.p59

File: mrvl/usb8797\_uapsta.bin

Version: w14.68.29.p60

File: mrvl/sd8897\_uapsta.bin

Version: w15.68.19.17

File: mrvl/usb8897\_uapsta.bin

Version: 15.68.4.p103

File: mrvl/pcie8897\_uapsta.bin

Version: w15.68.19.p21

File: mrvl/sd8887\_uapsta.bin

Version: w15.68.7.p189

File: mrvl/sd8801\_uapsta.bin

Version: w14.68.36.p204

File: mrvl/usb8801\_uapsta.bin

Version: w14.68.36.p138

File: mrvl/pcieuart8997\_combo\_v4.bin

Version: w16.68.1.p179

File: mrvl/pcieusb8997\_combo\_v4.bin

Version: w16.68.1.p195



File: mrvl/pcie8997\_wlan\_v4.bin

Version: w16.68.1.p195

File: mrvl/usb8997\_combo\_v4.bin

Version: w16.68.1.p183

File: mrvl/sdsd8997\_combo\_v4.bin

Version: w16.68.1.p179

File: mrvl/sdsd8977\_combo\_v2.bin

Version: w16.68.1.p195

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

-----  
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-7260-17.ucode

Version: 17.bfb58538.0

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-3160-17.ucode

Version: 17.bfb58538.0

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-7265-17.ucode

Version: 17.bfb58538.0

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-17.ucode

Version: 17.352738.0

File: iwlwifi-7265D-21.ucode

Version: 21.302800.0

File: iwlwifi-7265D-22.ucode

Version: 22.391740.0

File: iwlwifi-7265D-27.ucode

Version: 27.541033.0

File: iwlwifi-7265D-29.ucode

Version: 29.3e3b4de5.0

File: iwlwifi-3168-21.ucode

Version: 21.302800.0

File: iwlwifi-3168-22.ucode

Version: 22.391740.0

File: iwlwifi-3168-27.ucode

Version: 27.541033.0

File: iwlwifi-3168-29.ucode

Version: 29.3e3b4de5.0

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-8000C-22.ucode

Version: 22.391740.0

File: iwlwifi-8000C-27.ucode

Version: 27.541033.0

File: iwlwifi-8000C-31.ucode

Version: 31.560484.0

File: iwlwifi-8000C-34.ucode

Version: 34.610288.0

File: iwlwifi-8000C-36.ucode

Version: 36.8fd77bb3.0

File: iwlwifi-8265-21.ucode

Version: 21.302800.0

File: iwlwifi-8265-22.ucode

Version: 22.391740.0

File: iwlwifi-8265-27.ucode

Version: 27.541033.0

File: iwlwifi-8265-31.ucode

Version: 31.560484.0

File: iwlwifi-8265-34.ucode

Version: 34.610288.0

File: iwlwifi-8265-36.ucode

Version: 36.8fd77bb3.0

File: iwlwifi-9000-pu-b0-jf-b0-33.ucode

Version: 33.610294.0

File: iwlwifi-9000-pu-b0-jf-b0-34.ucode

Version: 34.ba501b11.0



File: iwlwifi-9000-pu-b0-jf-b0-38.ucode

Version: 38.755cfdd8.0

File: iwlwifi-9000-pu-b0-jf-b0-41.ucode

Version: 41.fc1a7aea.0

File: iwlwifi-9000-pu-b0-jf-b0-43.ucode

Version: 43.95eb4e97.0

File: iwlwifi-9000-pu-b0-jf-b0-46.ucode

Version: 46.a41adfe7.0

File: iwlwifi-9260-th-b0-jf-b0-33.ucode

Version: 33.610294.0

File: iwlwifi-9260-th-b0-jf-b0-34.ucode

Version: 34.ba501b11.0

File: iwlwifi-9260-th-b0-jf-b0-38.ucode

Version: 38.755cfdd8.0

File: iwlwifi-9260-th-b0-jf-b0-41.ucode

Version: 41.fc1a7aea.0

File: iwlwifi-9260-th-b0-jf-b0-43.ucode

Version: 43.95eb4e97.0

File: iwlwifi-9260-th-b0-jf-b0-46.ucode

Version: 46.a41adfe7.0

File: iwlwifi-cc-a0-46.ucode

Version: 46.3cfab8da.0

File: iwlwifi-cc-a0-48.ucode

Version: 48.13675109.0

File: iwlwifi-Qu-b0-hr-b0-48.ucode

Version: 48.13675109.0



File: iwlwifi-Qu-b0-jf-b0-48.ucode

Version: 48.13675109.0

File: iwlwifi-Qu-c0-hr-b0-48.ucode

Version: 48.13675109.0

File: iwlwifi-Qu-c0-jf-b0-48.ucode

Version: 48.13675109.0

File: iwlwifi-QuZ-a0-hr-b0-48.ucode

Version: 48.13675109.0

File: iwlwifi-QuZ-a0-jf-b0-48.ucode

Version: 48.13675109.0

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

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

-----

Driver: ipu3-imgu - Intel IPU3 (3rd Gen Image Processing Unit) driver

File: intel/irci\_irci\_ecr-master\_20161208\_0213\_20170112\_1500.bin

Version: irci\_irci\_ecr-master\_20161208\_0213\_20170112\_1500

md5sum: 59abc311fce49c5a180b5a8a3917912d

Link: intel/ipu3-fw.bin -> irci\_irci\_ecr-master\_20161208\_0213\_20170112\_1500.bin

Licence: Redistributable. See LICENSE.ipu3\_firmware for details

-----

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

File: v4l-cx231xx-avcore-01.fw

Licence: Redistributable.

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-----

Driver: tehuti - Tehuti Networks 10G Ethernet

File: tehuti/bdx.bin

Licence:

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-----

Driver: typhoon - 3cr990 series Typhoon

File: 3com/typhoon.bin

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-----

Driver: yam - YAM driver for AX.25

File: yam/1200.bin

File: yam/9600.bin

Licence:

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-----

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/

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

Originally developed by the pcmcia-cs project



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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

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-----  
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. See GPL-3 for details.

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

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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.

-----  
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  
File: bnx2x/bnx2x-e1-7.13.11.0.fw  
File: bnx2x/bnx2x-e1h-7.13.11.0.fw  
File: bnx2x/bnx2x-e2-7.13.11.0.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. See GPL-2 and GPL-3 for details.

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:

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-----  
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

Version: 40

File: rt3290.bin

Version: 37

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

Binary file supplied originally by Shiang Tu <[shiang\\_tu@ralinktech.com](mailto:shiang_tu@ralinktech.com)>, latest from  
<http://www.mediatek.com/en/downloads1/downloads/>  
-----

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

Version: 36

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

Binary file supplied originally by Shiang Tu <shiang\_tu@ralinktech.com>, latest  
from <http://www.mediatek.com/en/downloads1/downloads/>

-----  
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/

Licence: GPLv2. See GPL-2 for details.

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 LICENCE.atheros\_firmware for details

-----

Driver: mga - Matrox G200/G400/G550

File: matrox/g200\_warp.fw

File: matrox/g400\_warp.fw

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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  
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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  
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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  
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File: radeon/VERDE\_rlc.bin  
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File: radeon/OLAND\_ce.bin  
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File: radeon/OLAND\_mc2.bin  
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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  
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File: radeon/BONAIRE\_smc.bin  
File: radeon/BONAIRE\_vce.bin  
File: radeon/KABINI\_ce.bin  
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File: radeon/KAVERI\_me.bin  
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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\_k\_smc.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\_k\_smc.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\_k\_smc.bin  
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File: radeon/verde\_rlc.bin  
File: radeon/verde\_smc.bin  
File: radeon/oland\_ce.bin  
File: radeon/oland\_k\_smc.bin  
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File: radeon/oland\_rlc.bin  
File: radeon/oland\_smc.bin  
File: radeon/hainan\_ce.bin  
File: radeon/hainan\_k\_smc.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\_k\_smc.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\_k\_smc.bin  
File: radeon/hawaii\_mc.bin  
File: radeon/hawaii\_me.bin  
File: radeon/hawaii\_mec.bin  
File: radeon/hawaii\_pfp.bin  
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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  
File: radeon/banks\_k2\_smc.bin



File: radeon/si58\_mc.bin

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Driver: amdgpu - AMD Radeon

File: amdgpu/tahiti\_ce.bin

File: amdgpu/tahiti\_k\_smc.bin

File: amdgpu/tahiti\_mc.bin

File: amdgpu/tahiti\_me.bin

File: amdgpu/tahiti\_pfp.bin

File: amdgpu/tahiti\_rlc.bin

File: amdgpu/tahiti\_smc.bin

File: amdgpu/pitcairn\_ce.bin

File: amdgpu/pitcairn\_k\_smc.bin

File: amdgpu/pitcairn\_mc.bin

File: amdgpu/pitcairn\_me.bin

File: amdgpu/pitcairn\_pfp.bin

File: amdgpu/pitcairn\_rlc.bin

File: amdgpu/pitcairn\_smc.bin

File: amdgpu/verde\_ce.bin

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File: amdgpu/verde\_smc.bin

File: amdgpu/hainan\_ce.bin



File: amdgpu/hainan\_k\_smc.bin

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File: amdgpu/hainan\_pfp.bin

File: amdgpu/hainan\_rlc.bin

File: amdgpu/hainan\_smc.bin

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File: amdgpu/oland\_k\_smc.bin

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File: amdgpu/si58\_mc.bin

File: amdgpu/banks\_k\_2\_smc.bin

File: amdgpu/bonaire\_ce.bin

File: amdgpu/bonaire\_k\_smc.bin

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File: amdgpu/vegam\_ce.bin  
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File: amdgpu/vega10\_ce.bin  
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File: amdgpu/vega10\_vce.bin



File: amdgpu/vega12\_asd.bin  
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File: amdgpu/vega20\_sdma1.bin  
File: amdgpu/vega20\_smc.bin  
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File: amdgpu/vega20\_uvd.bin



File: amdgpu/vega20\_vce.bin

File: amdgpu/raven\_asd.bin

File: amdgpu/raven\_ce.bin

File: amdgpu/raven\_gpu\_info.bin

File: amdgpu/raven\_me.bin

File: amdgpu/raven\_mec.bin

File: amdgpu/raven\_mec2.bin

File: amdgpu/raven\_pfp.bin

File: amdgpu/raven\_rlc.bin

File: amdgpu/raven\_sdma.bin

File: amdgpu/raven\_vcn.bin

File: amdgpu/raven\_dmcu.bin

File: amdgpu/picasso\_asd.bin

File: amdgpu/picasso\_ce.bin

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File: amdgpu/picasso\_me.bin

File: amdgpu/picasso\_mec.bin

File: amdgpu/picasso\_mec2.bin

File: amdgpu/picasso\_pfp.bin

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File: amdgpu/picasso\_rlc\_am4.bin

File: amdgpu/picasso\_sdma.bin

File: amdgpu/picasso\_vcn.bin

File: amdgpu/raven2\_asd.bin

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File: amdgpu/raven2\_gpu\_info.bin



File: amdgpu/raven2\_me.bin

File: amdgpu/raven2\_mec.bin

File: amdgpu/raven2\_mec2.bin

File: amdgpu/raven2\_pfp.bin

File: amdgpu/raven2\_rlc.bin

File: amdgpu/raven2\_sdma.bin

File: amdgpu/raven2\_vcn.bin

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Driver: s2255drv

File: f2255usb.bin

Version: 1.2.8

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.

-----  
Driver: lgs8gxx - Legend Silicon GB20600 demodulator driver

File: lgs8g75.fw



Licence: Unknown

-----  
Driver: ib\_qib - QLogic Infiniband

File: qlogic/sd7220.fw

Licence:

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Found in hex form in kernel source.

-----  
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

File: qed/qed\_init\_values\_zipped-8.10.5.0.bin

File: qed/qed\_init\_values-8.10.9.0.bin



File: qed/qed\_init\_values\_zipped-8.10.10.0.bin

File: qed/qed\_init\_values-8.14.6.0.bin

File: qed/qed\_init\_values\_zipped-8.15.3.0.bin

File: qed/qed\_init\_values-8.18.9.0.bin

File: qed/qed\_init\_values\_zipped-8.20.0.0.bin

File: qed/qed\_init\_values-8.20.0.0.bin

File: qed/qed\_init\_values-8.30.12.0.bin

File: qed/qed\_init\_values\_zipped-8.33.1.0.bin

File: qed/qed\_init\_values\_zipped-8.33.11.0.bin

File: qed/qed\_init\_values-8.33.12.0.bin

File: qed/qed\_init\_values\_zipped-8.37.2.0.bin

File: qed/qed\_init\_values\_zipped-8.37.7.0.bin

File: qed/qed\_init\_values-8.37.7.0.bin

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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  
-----



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>

-----  
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:

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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.

-----

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/brcmfmac4335-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/brcmfmac43430a0-sdio.bin

File: brcm/brcmfmac43455-sdio.bin

File: brcm/brcmfmac4350c2-pcie.bin

File: brcm/brcmfmac4350-pcie.bin

File: brcm/brcmfmac4356-sdio.bin

File: brcm/brcmfmac43569.bin

File: brcm/brcmfmac43570-pcie.bin

File: brcm/brcmfmac4358-pcie.bin

File: brcm/brcmfmac43602-pcie.bin

File: brcm/brcmfmac43602-pcie.ap.bin

File: brcm/brcmfmac4366b-pcie.bin

File: brcm/brcmfmac4366c-pcie.bin

File: brcm/brcmfmac4371-pcie.bin

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

File: brcm/brcmfmac43340-sdio.bin

File: brcm/brcmfmac43362-sdio.bin

File: brcm/brcmfmac43430-sdio.bin

File: brcm/brcmfmac4354-sdio.bin

File: brcm/brcmfmac4356-pcie.bin

File: brcm/brcmfmac4373-sdio.bin

File: brcm/brcmfmac4373.bin

Licence: Redistributable. See LICENCE.cypress for details.

File: "brcm/brcmfmac4330-sdio.Prowise-PT301.txt"

File: "brcm/brcmfmac43340-sdio.meegopad-t08.txt"



File: "brcm/brcmfmac43362-sdio.cubietech,cubietruck.txt"

File: "brcm/brcmfmac43362-sdio.lemaker,bananapro.txt"

File: "brcm/brcmfmac43430a0-sdio.jumper-ezpad-mini3.txt"

File: "brcm/brcmfmac43430a0-sdio.ONDA-V80 PLUS.txt"

File: "brcm/brcmfmac43430-sdio.AP6212.txt"

File: "brcm/brcmfmac43430-sdio.Hampoo-D2D3\_Vi8A1.txt"

File: "brcm/brcmfmac43430-sdio.MUR1DX.txt"

File: "brcm/brcmfmac43430-sdio.raspberrypi,3-model-b.txt"

File: "brcm/brcmfmac43455-sdio.raspberrypi,3-model-b-plus.txt"

File: "brcm/brcmfmac4356-pcie.gpd-win-pocket.txt"

Licence: GPLv2. See GPL-2 for details.

-----

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.

Copyright © 2010 STMicroelectronics

-----

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/.

-----  
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: 6.3.10.0.142 (Single-role)

File: ti-connectivity/wl127x-fw-5-mr.bin

Version: 6.5.7.0.50 (Multi-role)

File: ti-connectivity/wl127x-fw-5-plt.bin



Version: 6.3.10.0.142 (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: 7.3.10.0.142 (Single-role)

File: ti-connectivity/wl128x-fw-5-mr.bin

Version: 7.5.7.0.50 (Multi-role)

File: ti-connectivity/wl128x-fw-5-plt.bin

Version: 7.3.10.2.142 (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: 8.9.0.0.79

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\_6.2.31.bts

Version: 2.44 (TI\_P31.123)

File: ti-connectivity/TIInit\_6.6.15.bts

Version: 2.14 (TI\_P6\_15.93)

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.

-----

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.

-----

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.

-----

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

Info: Update to version 36 - Sent by Realtek

File: rtlwifi/rtl8723befw\_36.bin

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

-----  
Driver: rtl8723de - Realtek 802.11ac WLAN driver for RTL8723DE

Info: Supplied by Vendor at [https://github.com/pkshih/rtlwifi\\_rtl8723de](https://github.com/pkshih/rtlwifi_rtl8723de)

File: rtlwifi/rtl8723defw.bin

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

-----  
Driver: rtl8723au - 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

Info: Update to version 29 - Sent by Realtek

File: rtlwifi/rtl8821aefw\_29.bin

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

-----  
Driver: rtl8822be - Realtek 802.11n WLAN driver for RTL8822BE

Info: Sent to Larry Finger by Realtek engineer Ping-Ke Shih <pkshih@realtek.com>

File: rtlwifi/rtl8822befw.bin

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

-----  
Driver: rtw88 - Realtek 802.11ac WLAN driver for RTL8822BE and RTL8822CE

Info: Sent to Larry Finger by Realtek engineer Yan-Hsuan Chuang <yhchuang@realtek.com>

File: rtw88/rtw8822b\_fw.bin

File: rtw88/rtw8822c\_fw.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: rtl8723bs - Realtek 802.11n WLAN driver for RTL8723BS

Info: Firmware files extracted from data statements in Realtek driver

v4.3.5.5\_12290.20140916\_BTCOEX20140507-4E40.

File: rtlwifi/rtl8723bs\_bt.bin

File: rtlwifi/rtl8723bs\_nic.bin

File: rtlwifi/rtl8723bs\_ap\_wowlan.bin

File: rtlwifi/rtl8723bs\_wowlan.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\_BTcoEX20150119-5844

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.

-----  
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

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-----  
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  
-----

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

-----



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: 10.2.4-1.0-00043

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

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

File: ath10k/QCA6174/hw2.1/board-2.bin

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

Version: SW\_RM.1.1.1-00157-QCARMSWPZ-1

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

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

File: ath10k/QCA6174/hw3.0/board-2.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/QCA6174/hw3.0/firmware-6.bin

Version: RM.4.4.1.c2-00057-QCARMSWP-1

Licence: ath10k/QCA6174/hw3.0/notice\_ath10k\_firmware-6.txt

File: ath10k/QCA9377/hw1.0/board.bin

File: ath10k/QCA9377/hw1.0/board-2.bin

File: ath10k/QCA9377/hw1.0/firmware-5.bin

Version: WLAN.TF.1.0-00002-QCATFSWPZ-5

Licence: ath10k/QCA9377/hw1.0/notice\_ath10k\_firmware-5.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

File: ath10k/QCA4019/hw1.0/board-2.bin

File: ath10k/QCA4019/hw1.0/firmware-5.bin

Version: 10.4-3.6-00140

Licence: ath10k/QCA4019/hw1.0/notice\_ath10k\_firmware-5.txt

File: ath10k/QCA9887/hw1.0/board.bin

File: ath10k/QCA9887/hw1.0/firmware-5.bin

Version: 10.2.4-1.0-00041

Licence: ath10k/QCA9887/hw1.0/notice\_ath10k\_firmware-5.txt

File: ath10k/QCA9888/hw2.0/board-2.bin

File: ath10k/QCA9888/hw2.0/firmware-5.bin

Version: 10.4-3.9.0.2-00024

Licence: ath10k/QCA9888/hw2.0/notice\_ath10k\_firmware-5.txt

File: ath10k/QCA9984/hw1.0/board-2.bin

File: ath10k/QCA9984/hw1.0/firmware-5.bin

Version: 10.4-3.9.0.2-00021

Licence: ath10k/QCA9984/hw1.0/notice\_ath10k\_firmware-5.txt

File: ath10k/QCA9377/hw1.0/firmware-6.bin

Version: WLAN.TF.2.1-00021-QCARMSWP-1

Licence: ath10k/QCA9377/hw1.0/notice\_ath10k\_firmware-6.txt

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

-----

Driver: myril0ge - Myril0GE 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.

-----  
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

-----  
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

-----

Driver: drxk - Micronas DRX-K demodulator driver

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

Licence: Redistributable.

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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

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

-----

Driver: isci -- Intel C600 SAS controller driver

File: isci/isci\_firmware.bin

Source: isci/

Licence: GPLv2. See GPL-2 for details.



Driver: ar5523 -- Atheros AR5523 based USB wifi dongles

File: ar5523.bin

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

-----

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.. See GPL-2 for details.

-----

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.

-----  
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

Version: BT\_WilkinsPeak\_B3\_REL\_87\_0001

File: intel/ibt-hw-37.7.10-fw-1.0.2.3.d.bseq

Version: BT\_WilkinsPeak\_B3\_REL\_87\_0001

File: intel/ibt-hw-37.7.10-fw-1.80.1.2d.d.bseq

Version: BT\_WilkinsPeak\_B5\_REL\_42\_0001

File: intel/ibt-hw-37.7.10-fw-1.0.1.2d.d.bseq

Version: BT\_WilkinsPeak\_B5\_REL\_42\_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\_59\_0001

File: intel/ibt-hw-37.8.10-fw-1.10.3.11.e.bseq

Version: BT\_StonePeak\_D0\_REL\_50\_0002

File: intel/ibt-hw-37.8.10-fw-22.50.19.14.f.bseq

Version: BT\_StonePeak\_D1\_REL\_52\_00005

File: intel/ibt-11-5.ddc

Version: LnP/SfP\_REL0522



File: intel/ibt-11-5.sfi  
Version: BT\_LightningPeak\_REL0487  
File: intel/ibt-12-16.ddc  
Version: BT\_WindStormPeak\_REL0306  
File: intel/ibt-12-16.sfi  
Version: BT\_WindStormPeak\_REL0306  
File: intel/ibt-17-16-1.sfi  
Version: BT\_JeffersonPeak\_B0\_B0\_REL0472  
File: intel/ibt-17-16-1.ddc  
Version: BT\_JeffersonPeak\_B0\_B0\_REL0472  
File: intel/ibt-17-2.sfi  
Version: BT\_JeffersonPeak\_B0\_B0\_REL0472  
File: intel/ibt-17-2.ddc  
Version: BT\_JeffersonPeak\_B0\_B0\_REL0472  
File: intel/ibt-17-0-1.sfi  
Version: BT\_JeffersonPeak\_A0\_B0\_REL0201  
File: intel/ibt-17-0-1.ddc  
Version: BT\_JeffersonPeak\_A0\_B0\_REL0201  
File: intel/ibt-17-1.sfi  
Version: BT\_JeffersonPeak\_A0\_B0\_REL0201  
File: intel/ibt-17-1.ddc  
Version: BT\_JeffersonPeak\_A0\_B0\_REL0201  
File: intel/ibt-18-16-1.sfi  
Version: BT\_ThunderPeak\_B0\_B0\_REL0472  
File: intel/ibt-18-16-1.ddc  
Version: BT\_ThunderPeak\_B0\_B0\_REL0472



File: intel/ibt-18-2.sfi  
Version: BT\_ThunderPeak\_B0\_B0\_REL0472  
File: intel/ibt-18-2.ddc  
Version: BT\_ThunderPeak\_B0\_B0\_REL0472  
File: intel/ibt-18-0-1.sfi  
Version: BT\_ThunderPeak\_A0\_B0\_REL0201  
File: intel/ibt-18-0-1.ddc  
Version: BT\_ThunderPeak\_A0\_B0\_REL0201  
File: intel/ibt-18-1.sfi  
Version: BT\_ThunderPeak\_A0\_B0\_REL0201  
File: intel/ibt-18-1.ddc  
Version: BT\_ThunderPeak\_A0\_B0\_REL0201  
File:intel/ibt-20-0-3.sfi  
Version: BT\_CyclonePeak\_A0\_REL0310  
File:intel/ibt-20-0-3.ddc  
Version: BT\_CyclonePeak\_A0\_REL0310  
File:intel/ibt-20-1-3.sfi  
Version: BT\_CyclonePeak\_A0\_REL0310  
File:intel/ibt-20-1-3.ddc  
Version: BT\_CyclonePeak\_A0\_REL\_0310  
File:intel/ibt-20-1-4.sfi  
Version: BT\_CyclonePeak\_A0\_REL0310  
File:intel/ibt-20-1-4.ddc  
Version: BT\_CyclonePeak\_A0\_REL0310  
File:intel/ibt-19-0-0.sfi  
Version: BT\_Quasar\_REL0310



File:intel/ibt-19-0-0.ddc

Version: BT\_Quasar\_REL0310

File:intel/ibt-19-0-1.sfi

Version: BT\_Quasar\_REL0310

File:intel/ibt-19-0-1.ddc

Version: BT\_Quasar\_REL0310

File:intel/ibt-19-0-4.sfi

Version: BT\_HarrisonPeak\_REL0310

File:intel/ibt-19-0-4.ddc

Version: BT\_HarrisonPeak\_REL0310

File:intel/ibt-19-16-4.sfi

Version: BT\_HarrisonPeak\_REL0310

File:intel/ibt-19-16-4.ddc

Version: BT\_HarrisonPeak\_REL0310

File:intel/ibt-19-32-1.sfi

Version: BT\_HarrisonPeak\_REL0310

File:intel/ibt-19-32-1.ddc

Version: BT\_HarrisonPeak\_REL0310

File:intel/ibt-19-32-0.sfi

Version: BT\_HarrisonPeak\_REL0310

File:intel/ibt-19-32-0.ddc

Version: BT\_HarrisonPeak\_REL0310

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/rtl8723bs\_fw.bin

File: rtl\_bt/rtl8723bs\_config-OBDA8723.bin

File: rtl\_bt/rtl8761a\_fw.bin

File: rtl\_bt/rtl8812ae\_fw.bin

File: rtl\_bt/rtl8821a\_fw.bin

File: rtl\_bt/rtl8822b\_fw.bin

File: rtl\_bt/rtl8822b\_config.bin

File: rtl\_bt/rtl8723d\_fw.bin

File: rtl\_bt/rtl8723d\_config.bin

File: rtl\_bt/rtl8821c\_fw.bin

File: rtl\_bt/rtl8821c\_config.bin

File: rtl\_bt/rtl8822cu\_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)

Files rtl\_bt/rtl8822b\_\* came directly from Realtek. These files are updated on April 14, 2017. Files rtl\_bt/rtl8821c\_\* and rtl\_bt/rtl8723d\_\* came directly from Realtek. File rtl\_bt/rtl8822cu\_fw.bin came directly from Realtek. updated on February 24, 2019 File rtl\_bt/rtl8822cu\_fw.bin came directly from Realtek.

-----  
Driver: btmk\_usb - Bluetooth USB driver

File: mt7650.bin

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

-----  
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: ccp - Platform Security Processor (PSP) device

File: amd/amd\_sev\_fam17h\_model10xh.sbin

Version: 2019-02-13

License: Redistributable. See LICENSE.amd-sev for details

-----

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: 2018-05-24

File: amd-ucode/microcode\_amd\_fam16h.bin

Version: 2014-10-28

File: amd-ucode/microcode\_amd\_fam17h.bin

Version: 2018-11-28

License: Redistributable. See LICENSE.amd-ucode for details

-----

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 LICENCE.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

License: Redistributable. See LICENCE.moxa for details

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

File: wsm\_22.bin

Version: WSM395

Licence: Redistributable. See LICENCE.cw1200 for details.

File: sdd\_sagrad\_1091\_1098.bin

License:

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

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Driver: BFA/BNB - 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

Link: qat\_mmp.bin -> qat\_895xcc\_mmp.bin



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

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Driver: rsi -- Redpine Signals Inc 91x driver

File: rsi\_91x.fw

File: rsi/rs9113\_wlan\_qspi.rps

Version: 1.6.1

File: rsi/rs9113\_wlan\_bt\_dual\_mode.rps

Version: 1.6.1

File: rsi/rs9113\_ap\_bt\_dual\_mode.rps

Version: 1.6.1

File: rsi/rs9116\_wlan.rps

Version: 1.0.5b

File: rsi/rs9116\_wlan\_bt\_classic.rps

Version: 1.0.5b

Licence:

Firmware is:

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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.



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

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

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

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  
-----

Driver: snd\_soc\_sst\_acpi

File: intel/IntcSST2.bin

Version: 8.4.1.77

License: Redistributable. See LICENCE.IntcSST2 for details  
-----

Driver: snd\_intel\_sst\_core

File: intel/fw\_sst\_0f28.bin

File: intel/fw\_sst\_0f28\_ssp0.bin

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

Driver: snd\_intel\_sst\_core



File: intel/fw\_sst\_22a8.bin

Version: 01.0B.02.02

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

-----  
Driver: snd-soc-skl

File: intel/dsp\_fw\_release\_v969.bin

Version: 8.20.00.969

File: intel/dsp\_fw\_release\_v3402.bin

Version: 9.21.00.3402\_161

Link: intel/dsp\_fw\_release.bin -> intel/dsp\_fw\_release\_v3402.bin

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

File: intel/dsp\_fw\_bxt\_n\_v2219.bin

Version: 9.22.01.2219\_64

File: intel/dsp\_fw\_bxt\_n\_v3366.bin

Version: 9.22.01.3366\_157

Link: intel/dsp\_fw\_bxt\_n.bin -> intel/dsp\_fw\_bxt\_n\_v3366.bin

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

File: intel/dsp\_fw\_kbl\_v701.bin

Version: 9.21.00.701

File: intel/dsp\_fw\_kbl\_v1037.bin

Version: 09.21.00.1037

File: intel/dsp\_fw\_kbl\_v2042.bin

Version: 9.21.00.2042\_46

File: intel/dsp\_fw\_kbl\_v2630.bin

Version: 9.21.00.2630\_97

File: intel/dsp\_fw\_kbl\_v3266.bin



Version: 9.21.00.3266\_144

File: intel/dsp\_fw\_kbl\_v3420.bin

Version: 9.21.00.3420\_163

File: intel/dsp\_fw\_kbl\_v3402.bin

Version: 9.21.00.3402\_161

Link: intel/dsp\_fw\_kbl.bin -> dsp\_fw\_kbl\_v3402.bin

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

File: intel/dsp\_fw\_glk\_v1814.bin

Version: 9.92.01.1814

File: intel/dsp\_fw\_glk\_v2880.bin

Version: 9.22.00.2880

File: intel/dsp\_fw\_glk\_v2768.bin

Version: 9.22.01.2768

File: intel/dsp\_fw\_glk\_v3366.bin

Version: 9.22.01.3366\_157

Link: intel/dsp\_fw\_glk.bin -> dsp\_fw\_glk\_v3366.bin

File: intel/dsp\_fw\_cnl\_v1191.bin

Version: 10.00.00.1191

File: intel/dsp\_fw\_cnl\_v1858.bin

Version: 10.23.00.1858

File: intel/dsp\_fw\_cnl.bin

Link: intel/dsp\_fw\_cnl.bin -> intel/dsp\_fw\_cnl\_v1858.bin

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

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Driver: smsmdtv - Siano MDTV Core module

File: cmmb\_vega\_12mhz.inp



File: cmmmb\_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: tdmmb\_nova\_12mhz.inp

Licence: Redistributable. See LICENCE.siano for details

---

Driver: xhci-tegra -- NVIDIA Tegra XHCI driver

File: nvidia/tegra124/xusb.bin

Version: v45.46

File: nvidia/tegra210/xusb.bin

Version: v50.10

Licence: Redistributable. See LICENCE.nvidia for details

---

Driver: tegra-vic -- NVIDIA Tegra VIC driver

File: nvidia/tegra124/vic03\_ucose.bin

File: nvidia/tegra210/vic04\_ucose.bin

File: nvidia/tegra186/vic04\_ucose.bin

Licence: Redistributable. See LICENCE.nvidia for details



-----  
Driver: atusb - ATUSB IEEE 802.15.4 transceiver driver

File: atusb/atusb-0.2.dfu

Version: 0.2

File: atusb/atusb-0.3.dfu

Version: 0.3

File: atusb/rzusb-0.3.bin

Version: 0.3

Info: atusb/ChangeLog

Licence: GPLv2 or later. See GPL-2 and GPL-3 for details.  
-----

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

File: qca/crbtfw21.tlv

File: qca/crnv21.bin



File: qca/nvm\_00440302.bin

File: qca/rampatch\_00440302.bin

Licence: Redistributable. See LICENSE.QualcommAtheros\_ath10k and qca/NOTICE.txt for details

-----  
Driver: liquidio -- Cavium LiquidIO driver

File: liquidio/l1o\_23xx\_nic.bin

Version: v1.7.2

File: liquidio/l1o\_23xx\_vsw.bin

Version: v1.7.2

File: liquidio/l1o\_210nv\_nic.bin

Version: v1.7.2

File: liquidio/l1o\_210sv\_nic.bin

Version: v1.7.2

File: liquidio/l1o\_410nv\_nic.bin

Version: v1.7.2

Licence: Redistributable. See LICENCE.cavium\_liquidio for details

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Driver: nitrox -- Cavium CNN55XX crypto driver

File: cavium/cnn55xx\_ae.fw

Version: v01

File: cavium/cnn55xx\_se.fw

Version: v10

Licence: Redistributable. See LICENCE.cavium for details

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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\_27.bin

File: i915/skl\_dmc\_ver1.bin

Version: DMC API/ABI ver 1 - release 27 for Skylake

File: i915/bxt\_dmc\_ver1\_07.bin

File: i915/bxt\_dmc\_ver1.bin

Version: DMC API/ABI ver 1 - release 07 for Broxton

File: i915/kbl\_dmc\_ver1\_01.bin

File: i915/kbl\_dmc\_ver1.bin

Version: DMC API/ABI ver 1 - release 01 for Kabylake

File: i915/kbl\_dmc\_ver1\_04.bin

File: i915/kbl\_dmc\_ver1\_04.bin

Version: DMC API/ABI ver 1 - release 04 for Kabylake

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

File: i915/skl\_guc\_ver9\_33.bin

Version: Guc API/ABI ver 9 - release 33 for Skylake

File: i915/skl\_guc\_32.0.3.bin

Version: Guc API/ABI ver 32 - release 0 for Skylake

File: i915/skl\_guc\_33.0.0.bin



Version: Guc API/ABI ver 33 - release 0 for Skylake

File: i915/skl\_huc\_ver01\_07\_1398.bin

Version: HuC API/ABI ver 1 - release 7 for Skylake

File: i915/bxt\_huc\_ver01\_07\_1398.bin

Version: HuC API/APB ver 1 - release 7 for Broxton

File: i915/bxt\_huc\_ver01\_8\_2893.bin

Version: HuC API/APB ver 1 - release 8 for Broxton

File: i915/kbl\_huc\_ver02\_00\_1810.bin

Version: HuC API/APB ver 2 - for Kabylake

File: i915/bxt\_guc\_ver8\_7.bin

Version: Guc API/APB ver 8 - release 7 for Broxton

File: i915/bxt\_guc\_ver9\_29.bin

Version: Guc API/APB ver 9 - release 29 for Broxton

File: i915/bxt\_guc\_32.0.3.bin

Version: Guc API/APB ver 32 - release 0 for Broxton

File: i915/bxt\_guc\_33.0.0.bin

Version: Guc API/APB ver 33 - release 0 for Broxton

File: i915/kbl\_guc\_ver9\_14.bin

Version: Guc API/APB ver 9 release 14 for Kabylake

File: i915/kbl\_guc\_ver9\_39.bin

Version: Guc API/APB ver 9 release 39 for Kabylake

File: i915/kbl\_guc\_32.0.3.bin

Version: Guc API/APB ver 32 release 0 for Kabylake

File: i915/kbl\_guc\_33.0.0.bin

Version: Guc API/APB ver 33 release 0 for Kabylake

File: i915/glk\_guc\_32.0.3.bin



Version: Guc API/APB ver 32 release 0 for Geminilake

File: i915/glk\_guc\_33.0.0.bin

Version: Guc API/APB ver 33 release 0 for Geminilake

File: i915/glk\_huc\_ver03\_01\_2893.bin

Version: Huc API/APB ver 3 release 1 for Geminilake

File: i915/glk\_dmc\_ver1\_04.bin

Version: DMC API/ABI ver 1 - release 04 for Geminilake

File: i915/cnl\_dmc\_ver1\_06.bin

Version: DMC API/ABI ver 1 - release 06 for Cannonlake

File: i915/cnl\_dmc\_ver1\_07.bin

Version: DMC API/ABI ver 1 - release 07 for Cannonlake

File: i915/icl\_dmc\_ver1\_07.bin

Version: DMC API/ABI ver 1 - release 07 for icelake

File: i915/icl\_guc\_32.0.3.bin

Version: Guc API/APB ver 32 release 0 for Icelake

File: i915/icl\_guc\_33.0.0.bin

Version: Guc API/APB ver 33 release 0 for Icelake

File: i915/icl\_huc\_ver8\_4\_3238.bin

Version: Huc API/APB ver 8 release 4 for Icelake

License: Redistributable. See LICENSE.i915 for details

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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\_b1.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/b1.bin

File: nvidia/gm206/acr/ucode\_load.bin

File: nvidia/gm206/acr/ucode\_unload.bin

File: nvidia/gm206/gr/fecs\_b1.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\_b1.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/b1.bin

File: nvidia/gm20b/acr/ucode\_load.bin

File: nvidia/gm20b/gr/fecs\_b1.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\_data.bin  
File: nvidia/gm20b/gr/gpccs\_inst.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  
File: nvidia/gm20b/pmu/desc.bin  
File: nvidia/gm20b/pmu/image.bin  
File: nvidia/gm20b/pmu/sig.bin  
File: nvidia/gp100/acr/bl.bin  
File: nvidia/gp100/acr/ucode\_load.bin  
File: nvidia/gp100/acr/ucode\_unload.bin  
File: nvidia/gp100/gr/fecs\_bl.bin  
File: nvidia/gp100/gr/fecs\_data.bin  
File: nvidia/gp100/gr/fecs\_inst.bin  
File: nvidia/gp100/gr/fecs\_sig.bin  
File: nvidia/gp100/gr/gpccs\_bl.bin  
File: nvidia/gp100/gr/gpccs\_data.bin  
File: nvidia/gp100/gr/gpccs\_inst.bin  
File: nvidia/gp100/gr/gpccs\_sig.bin  
File: nvidia/gp100/gr/sw\_bundle\_init.bin  
File: nvidia/gp100/gr/sw\_ctx.bin  
File: nvidia/gp100/gr/sw\_method\_init.bin



File: nvidia/gp100/gr/sw\_nonctx.bin

File: nvidia/gp102/acr/bl.bin

File: nvidia/gp102/acr/ucode\_load.bin

File: nvidia/gp102/acr/ucode\_unload.bin

File: nvidia/gp102/acr/unload\_bl.bin

File: nvidia/gp102/gr/fecs\_bl.bin

File: nvidia/gp102/gr/fecs\_data.bin

File: nvidia/gp102/gr/fecs\_inst.bin

File: nvidia/gp102/gr/fecs\_sig.bin

File: nvidia/gp102/gr/gpccs\_bl.bin

File: nvidia/gp102/gr/gpccs\_data.bin

File: nvidia/gp102/gr/gpccs\_inst.bin

File: nvidia/gp102/gr/gpccs\_sig.bin

File: nvidia/gp102/gr/sw\_bundle\_init.bin

File: nvidia/gp102/gr/sw\_ctx.bin

File: nvidia/gp102/gr/sw\_method\_init.bin

File: nvidia/gp102/gr/sw\_nonctx.bin

File: nvidia/gp102/nvdec/scrubber.bin

File: nvidia/gp102/sec2/desc.bin

File: nvidia/gp102/sec2/image.bin

File: nvidia/gp102/sec2/sig.bin

File: nvidia/gp104/acr/bl.bin

File: nvidia/gp104/acr/ucode\_load.bin

File: nvidia/gp104/acr/ucode\_unload.bin

File: nvidia/gp104/acr/unload\_bl.bin

File: nvidia/gp104/gr/fecs\_bl.bin



File: nvidia/gp104/gr/fecs\_data.bin  
File: nvidia/gp104/gr/fecs\_inst.bin  
File: nvidia/gp104/gr/fecs\_sig.bin  
File: nvidia/gp104/gr/gpccs\_bl.bin  
File: nvidia/gp104/gr/gpccs\_data.bin  
File: nvidia/gp104/gr/gpccs\_inst.bin  
File: nvidia/gp104/gr/gpccs\_sig.bin  
File: nvidia/gp104/gr/sw\_bundle\_init.bin  
File: nvidia/gp104/gr/sw\_ctx.bin  
File: nvidia/gp104/gr/sw\_method\_init.bin  
File: nvidia/gp104/gr/sw\_nonctx.bin  
File: nvidia/gp104/nvdec/scrubber.bin  
File: nvidia/gp104/sec2/desc.bin  
File: nvidia/gp104/sec2/image.bin  
File: nvidia/gp104/sec2/sig.bin  
File: nvidia/gp106/acr/bl.bin  
File: nvidia/gp106/acr/ucode\_load.bin  
File: nvidia/gp106/acr/ucode\_unload.bin  
File: nvidia/gp106/acr/unload\_bl.bin  
File: nvidia/gp106/gr/fecs\_bl.bin  
File: nvidia/gp106/gr/fecs\_data.bin  
File: nvidia/gp106/gr/fecs\_inst.bin  
File: nvidia/gp106/gr/fecs\_sig.bin  
File: nvidia/gp106/gr/gpccs\_bl.bin  
File: nvidia/gp106/gr/gpccs\_data.bin  
File: nvidia/gp106/gr/gpccs\_inst.bin



File: nvidia/gp106/gr/gpccs\_sig.bin

File: nvidia/gp106/gr/sw\_bundle\_init.bin

File: nvidia/gp106/gr/sw\_ctx.bin

File: nvidia/gp106/gr/sw\_method\_init.bin

File: nvidia/gp106/gr/sw\_nonctx.bin

File: nvidia/gp106/nvdec/scrubber.bin

File: nvidia/gp106/sec2/desc.bin

File: nvidia/gp106/sec2/image.bin

File: nvidia/gp106/sec2/sig.bin

File: nvidia/gp107/acr/bl.bin

File: nvidia/gp107/acr/ucode\_load.bin

File: nvidia/gp107/acr/ucode\_unload.bin

File: nvidia/gp107/acr/unload\_bl.bin

File: nvidia/gp107/gr/fecs\_bl.bin

File: nvidia/gp107/gr/fecs\_data.bin

File: nvidia/gp107/gr/fecs\_inst.bin

File: nvidia/gp107/gr/fecs\_sig.bin

File: nvidia/gp107/gr/gpccs\_bl.bin

File: nvidia/gp107/gr/gpccs\_data.bin

File: nvidia/gp107/gr/gpccs\_inst.bin

File: nvidia/gp107/gr/gpccs\_sig.bin

File: nvidia/gp107/gr/sw\_bundle\_init.bin

File: nvidia/gp107/gr/sw\_ctx.bin

File: nvidia/gp107/gr/sw\_method\_init.bin

File: nvidia/gp107/gr/sw\_nonctx.bin

File: nvidia/gp107/nvdec/scrubber.bin



File: nvidia/gp107/sec2/desc.bin  
File: nvidia/gp107/sec2/image.bin  
File: nvidia/gp107/sec2/sig.bin  
File: nvidia/gp10b/acr/bl.bin  
File: nvidia/gp10b/acr/ucode\_load.bin  
File: nvidia/gp10b/gr/fecs\_bl.bin  
File: nvidia/gp10b/gr/fecs\_data.bin  
File: nvidia/gp10b/gr/fecs\_inst.bin  
File: nvidia/gp10b/gr/fecs\_sig.bin  
File: nvidia/gp10b/gr/gpccs\_bl.bin  
File: nvidia/gp10b/gr/gpccs\_data.bin  
File: nvidia/gp10b/gr/gpccs\_inst.bin  
File: nvidia/gp10b/gr/gpccs\_sig.bin  
File: nvidia/gp10b/gr/sw\_bundle\_init.bin  
File: nvidia/gp10b/gr/sw\_ctx.bin  
File: nvidia/gp10b/gr/sw\_method\_init.bin  
File: nvidia/gp10b/gr/sw\_nonctx.bin  
File: nvidia/gp10b/pmu/desc.bin  
File: nvidia/gp10b/pmu/image.bin  
File: nvidia/gp10b/pmu/sig.bin  
File: nvidia/gp108/acr/bl.bin  
File: nvidia/gp108/acr/ucode\_load.bin  
File: nvidia/gp108/acr/ucode\_unload.bin  
File: nvidia/gp108/acr/unload\_bl.bin  
File: nvidia/gp108/gr/fecs\_bl.bin  
File: nvidia/gp108/gr/fecs\_data.bin



File: nvidia/gp108/gr/fecs\_inst.bin

File: nvidia/gp108/gr/fecs\_sig.bin

File: nvidia/gp108/gr/gpccs\_bl.bin

File: nvidia/gp108/gr/gpccs\_data.bin

File: nvidia/gp108/gr/gpccs\_inst.bin

File: nvidia/gp108/gr/gpccs\_sig.bin

File: nvidia/gp108/gr/sw\_bundle\_init.bin

File: nvidia/gp108/gr/sw\_ctx.bin

File: nvidia/gp108/gr/sw\_method\_init.bin

File: nvidia/gp108/gr/sw\_nonctx.bin

File: nvidia/gp108/nvdec/scrubber.bin

File: nvidia/gp108/sec2/desc.bin

File: nvidia/gp108/sec2/image.bin

File: nvidia/gp108/sec2/sig.bin

File: nvidia/gv100/acr/bl.bin

File: nvidia/gv100/acr/ucode\_load.bin

File: nvidia/gv100/acr/ucode\_unload.bin

File: nvidia/gv100/acr/unload\_bl.bin

File: nvidia/gv100/gr/fecs\_bl.bin

File: nvidia/gv100/gr/fecs\_data.bin

File: nvidia/gv100/gr/fecs\_inst.bin

File: nvidia/gv100/gr/fecs\_sig.bin

File: nvidia/gv100/gr/gpccs\_bl.bin

File: nvidia/gv100/gr/gpccs\_data.bin

File: nvidia/gv100/gr/gpccs\_inst.bin

File: nvidia/gv100/gr/gpccs\_sig.bin



File: nvidia/gv100/gr/sw\_bundle\_init.bin

File: nvidia/gv100/gr/sw\_ctx.bin

File: nvidia/gv100/gr/sw\_method\_init.bin

File: nvidia/gv100/gr/sw\_nonctx.bin

File: nvidia/gv100/nvdec/scrubber.bin

File: nvidia/gv100/sec2/desc.bin

File: nvidia/gv100/sec2/image.bin

File: nvidia/gv100/sec2/sig.bin

File: nvidia/tu10x/typec/ccg\_primary.cyacd

File: nvidia/tu10x/typec/ccg\_secondary.cyacd

File: nvidia/tu10x/typec/ccg\_boot.cyacd

Licence: Redistributable. See LICENCE.nvidia for details

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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

File: atmel/wilc1000\_wifi\_firmware.bin

License: Redistributable. See LICENSE.atmel for details

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Driver: hfi1 - Intel OPA Gen 1 adapter

File: hfi1\_dc8051.fw

Version: 1.27.0

File: hfi1\_fabric.fw

Version: 0x1055

File: hfi1\_pcie.fw



Version: 0x4755

File: hfi1\_sbus.fw

Version: 0x10130001

Licence: Redistributable. See LICENSE.hfi1\_firmware for details

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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

Licence: Redistributable. See LICENSE.ti-keystone for details.

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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

Licence: Redistributable. See LICENSE.Marvell for details.

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Driver: mtk-vpu - Mediatek VPU video processing unit driver

File: vpu\_d.bin

File: vpu\_p.bin

Licence: Redistributable.

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Driver: btmtdk - MediaTek Bluetooth Driver

File: mediatek/mt7622pr2h.bin

Version: 20180621204904

File: mediatek/mt7668pr2h.bin

Version: 20180517181834

Licence: Redistributable. See LICENCE.mediatek for details.

-----

Driver: rk3399-dptx - ROCKCHIP rk3399 dptx firmware

File: rockchip/dptx.bin

Version: 3.1

Licence: Redistributable. See LICENCE.rockchip for details.

-----

Driver: mt76x0 - MediaTek MT76x0 Wireless MACs

File: mediatek/mt7610u.bin

File: mediatek/mt7610e.bin

Version: 2.6

File: mediatek/mt7650e.bin

Version: 1.0.07-b370

Licence: Redistributable. See LICENCE.mediatek for details.

-----

Driver: mt76x2e - MediaTek MT76x2 Wireless MACs

File: mt7662.bin

Version: 1.9

File: mt7662\_rom\_patch.bin

Version: 0.0.2\_P69

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



-----  
Driver: mt76x2u - MediaTek MT76x2u Wireless MACs

File: mediatek/mt7662u.bin

Version: 1.5

File: mediatek/mt7662u\_rom\_patch.bin

Version: 0.0.2\_P48

Licence: Redistributable. See LICENCE.mediatek for details.  
-----

Driver: mt7615e - MediaTek MT7615e Wireless MACs

File: mediatek/mt7615\_n9.bin

Version: 20190114

File: mediatek/mt7615\_cr4.bin

Version: 20190114

File: mediatek/mt7615\_rom\_patch.bin

Version: 20190114

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-----

Driver: nfp - Netronome Flow Processor

Link: netronome/nic\_AMDA0081-0001\_1x40.nffw -> nic/nic\_AMDA0081-0001\_1x40.nffw

Link: netronome/nic\_AMDA0097-0001\_2x40.nffw -> nic/nic\_AMDA0097-0001\_2x40.nffw

Link: netronome/nic\_AMDA0099-0001\_2x10.nffw -> nic/nic\_AMDA0099-0001\_2x10.nffw

Link: netronome/nic\_AMDA0081-0001\_4x10.nffw -> nic/nic\_AMDA0081-0001\_4x10.nffw

Link: netronome/nic\_AMDA0097-0001\_4x10\_1x40.nffw -> nic/nic\_AMDA0097-0001\_4x10\_1x40.nffw

Link: netronome/nic\_AMDA0099-0001\_1x10\_1x25.nffw -> nic/nic\_AMDA0099-0001\_1x10\_1x25.nffw

Link: netronome/nic\_AMDA0099-0001\_2x25.nffw -> nic/nic\_AMDA0099-0001\_2x25.nffw

Link: netronome/nic\_AMDA0096-0001\_2x10.nffw -> nic/nic\_AMDA0096-0001\_2x10.nffw



Link: netronome/nic\_AMDA0097-0001\_8x10.nffw -> nic/nic\_AMDA0097-0001\_8x10.nffw

Link: netronome/nic\_AMDA0058-0011\_2x40.nffw -> nic/nic\_AMDA0058-0011\_2x40.nffw

Link: netronome/nic\_AMDA0058-0012\_2x40.nffw -> nic/nic\_AMDA0058-0012\_2x40.nffw

Link: netronome/nic\_AMDA0078-0011\_1x100.nffw -> nic/nic\_AMDA0078-0011\_1x100.nffw

File: netronome/nic/nic\_AMDA0081-0001\_1x40.nffw

File: netronome/nic/nic\_AMDA0097-0001\_2x40.nffw

File: netronome/nic/nic\_AMDA0099-0001\_2x10.nffw

File: netronome/nic/nic\_AMDA0081-0001\_4x10.nffw

File: netronome/nic/nic\_AMDA0097-0001\_4x10\_1x40.nffw

File: netronome/nic/nic\_AMDA0099-0001\_1x10\_1x25.nffw

File: netronome/nic/nic\_AMDA0099-0001\_2x25.nffw

File: netronome/nic/nic\_AMDA0096-0001\_2x10.nffw

File: netronome/nic/nic\_AMDA0097-0001\_8x10.nffw

File: netronome/nic/nic\_AMDA0058-0011\_2x40.nffw

File: netronome/nic/nic\_AMDA0058-0012\_2x40.nffw

File: netronome/nic/nic\_AMDA0078-0011\_1x100.nffw

File: netronome/nic-sriov/nic\_AMDA0081-0001\_1x40.nffw

File: netronome/nic-sriov/nic\_AMDA0097-0001\_2x40.nffw

File: netronome/nic-sriov/nic\_AMDA0099-0001\_2x10.nffw

File: netronome/nic-sriov/nic\_AMDA0081-0001\_4x10.nffw

File: netronome/nic-sriov/nic\_AMDA0097-0001\_4x10\_1x40.nffw

File: netronome/nic-sriov/nic\_AMDA0099-0001\_1x10\_1x25.nffw

File: netronome/nic-sriov/nic\_AMDA0099-0001\_2x25.nffw

File: netronome/nic-sriov/nic\_AMDA0096-0001\_2x10.nffw

File: netronome/nic-sriov/nic\_AMDA0097-0001\_8x10.nffw

File: netronome/nic-sriov/nic\_AMDA0058-0011\_2x40.nffw



File: netronome/nic-sriov/nic\_AMDAA0058-0012\_2x40.nffw

File: netronome/nic-sriov/nic\_AMDAA0078-0011\_1x100.nffw

Version: v2.1.16.1

File: netronome/flower/nic\_AMDAA0099.nffw

File: netronome/flower/nic\_AMDAA0096.nffw

File: netronome/flower/nic\_AMDAA0097.nffw

File: netronome/flower/nic\_AMDAA0058.nffw

Link: netronome/flower/nic\_AMDAA0081.nffw -> netronome/flower/nic\_AMDAA0097.nffw

Link: netronome/flower/nic\_AMDAA0081-0001\_1x40.nffw -> netronome/flower/nic\_AMDAA0081.nffw

Link: netronome/flower/nic\_AMDAA0097-0001\_2x40.nffw -> netronome/flower/nic\_AMDAA0097.nffw

Link: netronome/flower/nic\_AMDAA0099-0001\_2x10.nffw -> netronome/flower/nic\_AMDAA0099.nffw

Link: netronome/flower/nic\_AMDAA0081-0001\_4x10.nffw -> netronome/flower/nic\_AMDAA0081.nffw

Link: netronome/flower/nic\_ AMDAA0097- 0001\_ 4x10\_ 1x40.nffw - > netronome/flower/nic\_ AMDAA0097.nffw

Link: netronome/flower/nic\_AMDAA0099-0001\_2x25.nffw -> netronome/flower/nic\_AMDAA0099.nffw

Link: netronome/flower/nic\_AMDAA0096-0001\_2x10.nffw -> netronome/flower/nic\_AMDAA0096.nffw

Link: netronome/flower/nic\_AMDAA0097-0001\_8x10.nffw -> netronome/flower/nic\_AMDAA0097.nffw

Link: netronome/flower/nic\_ AMDAA0099- 0001\_ 1x10\_ 1x25.nffw - > netronome/flower/nic\_ AMDAA0099.nffw

Link: netronome/flower/nic\_ AMDAA0058- 0011\_ 1x100.nffw - > netronome/flower/nic\_ AMDAA0058.nffw

Link: netronome/flower/nic\_AMDAA0058-0011\_2x40.nffw -> netronome/flower/nic\_AMDAA0058.nffw

Link: netronome/flower/nic\_ AMDAA0058- 0011\_ 4x10\_ 1x40.nffw - > netronome/flower/nic\_ AMDAA0058.nffw

Link: netronome/flower/nic\_AMDAA0058-0011\_8x10.nffw -> netronome/flower/nic\_AMDAA0058.nffw

Link: netronome/flower/nic\_ AMDAA0058- 0012\_ 1x100.nffw - > netronome/flower/nic\_ AMDAA0058.nffw

Link: netronome/flower/nic\_AMDAA0058-0012\_2x40.nffw -> netronome/flower/nic\_AMDAA0058.nffw



Link: netronome/flower/nic\_AMDA0058- 0012\_ 4x10\_ 1x40.nffw - > netronome/flower/nic\_AMDA0058.nffw

Link: netronome/flower/nic\_AMDA0058-0012\_8x10.nffw -> netronome/flower/nic\_AMDA0058.nffw

Link: netronome/flower/nic\_AMDA0078- 0011\_ 1x100.nffw - > netronome/flower/nic\_AMDA0058.nffw

Link: netronome/flower/nic\_AMDA0078-0011\_2x40.nffw -> netronome/flower/nic\_AMDA0058.nffw

Link: netronome/flower/nic\_AMDA0078- 0011\_ 4x10\_ 1x40.nffw - > netronome/flower/nic\_AMDA0058.nffw

Link: netronome/flower/nic\_AMDA0078-0011\_8x10.nffw -> netronome/flower/nic\_AMDA0058.nffw

Link: netronome/flower/nic\_AMDA0078- 0012\_ 1x100.nffw - > netronome/flower/nic\_AMDA0058.nffw

Link: netronome/flower/nic\_AMDA0078-0012\_2x40.nffw -> netronome/flower/nic\_AMDA0058.nffw

Link: netronome/flower/nic\_AMDA0078- 0012\_ 4x10\_ 1x40.nffw - > netronome/flower/nic\_AMDA0058.nffw

Link: netronome/flower/nic\_AMDA0078-0012\_8x10.nffw -> netronome/flower/nic\_AMDA0058.nffw

Version: AOTC-2.10.A.23

File: netronome/bpf/nic\_AMDA0081-0001\_1x40.nffw

File: netronome/bpf/nic\_AMDA0097-0001\_2x40.nffw

File: netronome/bpf/nic\_AMDA0099-0001\_2x10.nffw

File: netronome/bpf/nic\_AMDA0081-0001\_4x10.nffw

File: netronome/bpf/nic\_AMDA0097-0001\_4x10\_1x40.nffw

File: netronome/bpf/nic\_AMDA0099-0001\_1x10\_1x25.nffw

File: netronome/bpf/nic\_AMDA0099-0001\_2x25.nffw

File: netronome/bpf/nic\_AMDA0096-0001\_2x10.nffw

File: netronome/bpf/nic\_AMDA0097-0001\_8x10.nffw

File: netronome/bpf/nic\_AMDA0058-0011\_2x40.nffw

File: netronome/bpf/nic\_AMDA0058-0012\_2x40.nffw

File: netronome/bpf/nic\_AMDA0078-0011\_1x100.nffw



Version: v2.0.6.124

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Driver: wil6210 - Qualcomm Atheros support for 11ad family of chips

File: wil6210.fw

File: wil6210.brd

Version: 5.2.0.18

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

-----  
Driver: venus - Qualcomm Venus video codec accelerator

File: qcom/venus-1.8/venus.mdt

File: qcom/venus-1.8/venus.b00

File: qcom/venus-1.8/venus.b01

File: qcom/venus-1.8/venus.b02

File: qcom/venus-1.8/venus.b03

File: qcom/venus-1.8/venus.b04

Version: 1.8-00109

File: qcom/venus-4.2/venus.mdt

File: qcom/venus-4.2/venus.b00

File: qcom/venus-4.2/venus.b01

File: qcom/venus-4.2/venus.b02

File: qcom/venus-4.2/venus.b03

File: qcom/venus-4.2/venus.b04

Version: 4.2

File: qcom/venus-5.2/venus.mdt

File: qcom/venus-5.2/venus.b00



File: qcom/venus-5.2/venus.b01

File: qcom/venus-5.2/venus.b02

File: qcom/venus-5.2/venus.b03

File: qcom/venus-5.2/venus.b04

File: qcom/venus-5.2/venus.mbn

Version: 5.2-00023

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<https://developer.qualcomm.com/hardware/dragonboard-410c/tools>

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Driver: imx-sdma - support for i.MX SDMA driver

File: imx/sdma/sdma-imx6q.bin

Version: 3.3

File: imx/sdma/sdma-imx7d.bin

Version: 4.2

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-----

Driver: adreno - Qualcomm Adreno GPU firmware

File: qcom/a300\_pfp.fw

Link: a300\_pfp.fw -> qcom/a300\_pfp.fw

File: qcom/a300\_pm4.fw

Link: a300\_pm4.fw -> qcom/a300\_pm4.fw

File: qcom/a530\_pfp.fw

File: qcom/a530\_pm4.fw

File: qcom/a530v3\_gpmu.fw2

File: qcom/a530\_zap.b00



File: qcom/a530\_zap.b01

File: qcom/a530\_zap.b02

File: qcom/a530\_zap.mdt

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Driver: mlxsw\_spectrum - Mellanox Spectrum switch

File: mellanox/mlxsw\_spectrum-13.1420.122.mfa2

File: mellanox/mlxsw\_spectrum-13.1530.152.mfa2

File: mellanox/mlxsw\_spectrum-13.1620.192.mfa2

File: mellanox/mlxsw\_spectrum-13.1702.6.mfa2

File: mellanox/mlxsw\_spectrum-13.1703.4.mfa2

File: mellanox/mlxsw\_spectrum-13.1910.622.mfa2

File: mellanox/mlxsw\_spectrum-13.2000.1122.mfa2

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Driver: cdns-mhdp - Cadence MHDP DP bridge

File: cadence/mhdp8546.bin

Version: 1.2.15

Licence: Redistributable. See LICENCE.cadence for details

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Driver: fsl-mc bus - NXP Management Complex Bus Driver

File: dpaa2/mc/mc\_10.10.0\_ls1088a.itb

File: dpaa2/mc/mc\_10.10.0\_ls2088a.itb

File: dpaa2/mc/mc\_10.10.0\_lx2160a.itb

File: dpaa2/mc/mc\_10.14.3\_ls1088a.itb

File: dpaa2/mc/mc\_10.14.3\_ls2088a.itb

File: dpaa2/mc/mc\_10.14.3\_lx2160a.itb

Licence: Redistributable. See LICENSE.nxp\_mc\_firmware for details

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Driver: msc-phy - Microchip PHY drivers

File: microchip/mscc\_vsc8574\_revb\_int8051\_29e8.bin

File: microchip/mscc\_vsc8584\_revb\_int8051\_fb48.bin

Licence: Redistributable. See LICENCE.microchip for details

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Driver: meson-vdec - Amlogic video decoder

File: meson/vdec/g12a\_h264.bin

File: meson/vdec/g12a\_vp9.bin

File: meson/vdec/gxbb\_h264.bin

File: meson/vdec/gxl\_h263.bin

File: meson/vdec/gxl\_h264.bin

File: meson/vdec/gxl\_hevc.bin

File: meson/vdec/gxl\_hevc\_mmu.bin

File: meson/vdec/gxl\_mjpeg.bin

File: meson/vdec/gxl\_mpeg12.bin

File: meson/vdec/gxl\_mpeg4\_5.bin

File: meson/vdec/gxm\_h264.bin

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## 73. lockfile-progs

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Version 2, June 1991

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```
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```
-- vile:txtmode fc=72
```

```
-- $Id: COPYING,v 1.12 2023/01/07 17:55:53 tom Exp $
```

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- TSS has been removed
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@version 3.0 (December 2000)

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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

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Written by: Philip Hazel

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