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This package was debianized by Philip Hands <[phil@hands.com](mailto:phil@hands.com)> on 31 Oct 1999 (with help from Dan Brosemer <[odin@linuxfreak.com](mailto:odin@linuxfreak.com)>)

It was downloaded from here:

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The Debian specific parts of the package are mostly taken from the original ssh package, which has since been renamed as ssh-nonfree.

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• member best practices

• new member and alliance announcements

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The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, 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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**The following component(s) is(are) subject to the Linux Firmware (Build 20200817) Third Party Content Licenses**

- Linux Firmware Third Party Content - 20200817

\*\*\*\*\*  
\* WHENCE \*  
\*\*\*\*\*

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: 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.  
Copyright (C) 1995-1999 Madge Networks Ltd.

This microcode data is placed under the terms of the GNU General Public License. The GPL is contained in /usr/doc/copyright/GPL on a Debian system and in the file COPYING in the Linux kernel source.

We would prefer you not to distribute modified versions without consultation and not to ask for assembly/other microcode source.

-----  
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.

## Notice

---

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

File: ess/maestro3\_assp\_kernel.fw

File: ess/maestro3\_assp\_minisrc.fw

Licence: Unknown

Found in alsa-firmware package in hex form with a comment claiming to be GPLv2+, but without source -- and with another comment saying "ESS drops binary dsp code images on our heads, but we don't get to see specs on the dsp."

---

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

File: yamaha/ds1\_ctrl.fw

File: yamaha/ds1\_dsp.fw

File: yamaha/ds1e\_ctrl.fw

Licence: Unknown

Found alsa-firmware package in hex form, with the following comment:  
Copyright (c) 1997-1999 Yamaha Corporation. All Rights Reserved.

---

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.

---



## Notice

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

File: qllogic/1040.bin

File: qllogic/1280.bin

File: qllogic/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

## Notice

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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## Notice

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 216 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 216 Audio Interface

\*

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\* 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

## Notice

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

## Notice

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

## Notice

File: dabusb/firmware.fw  
File: dabusb/bitstream.bin

Licence: Distributable

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

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

File: vicam/firmware.fw

Licence: Unknown

Found in hex form in kernel source.

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

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

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

Found in hex form in kernel source.

## Notice

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:  
/\*



## Notice

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

Found in hex form in kernel source.

---

Driver: qla2xxx - QLogic QLA2XXX Fibre Channel

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

Licence: Redistributable. See LICENCE.qla2xxx for details

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

---

Driver: orinoco - Agere/Prism/Symbol Orinoco support

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

Licence: Redistributable. See LICENCE.agere for details

---

Driver: ar9170 - Atheros 802.11n "otus" USB

## Notice

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

## Notice

File: slicoss/gbdownload.sys  
File: slicoss/gbrcvuocode.sys  
File: slicoss/oasisdbgdownload.sys  
File: slicoss/oasisdownload.sys  
File: slicoss/oasisrcvuocode.sys

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Found in hex form in kernel source.

-----

Driver: sxx - Alacritech IS-NIC products

File: sxx/saharadownloadB.sys  
File: sxx/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:

\* Copyright (c) 2007-2009 NetLogic Microsystems, Inc.

\*

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\* notice is accompanying it.

Found in hex form in kernel source.

-----

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

## Notice

File: cxgb4/t4fw-1.14.4.0.bin  
File: cxgb4/t4fw-1.15.37.0.bin  
Link: cxgb4/t4fw.bin -> t4fw-1.15.37.0.bin  
File: cxgb4/t5fw-1.14.4.0.bin  
File: cxgb4/t5fw-1.15.37.0.bin  
Link: cxgb4/t5fw.bin -> t5fw-1.15.37.0.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://alteon.shareable.org/>

---

Driver: tg3 -- Broadcom Tigon3 based gigabit Ethernet cards

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

## Notice

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- \* Copyright (C) 2000-2013 Broadcom Corporation.
- \*
- \* Permission is hereby granted for the distribution of this firmware
- \* data in hexadecimal or equivalent format, provided this copyright
- \* notice is accompanying it.

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

## Notice

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

---

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

File: libertas/cf8381.bin  
File: libertas/cf8381\_helper.bin  
File: libertas/cf8385.bin  
File: libertas/cf8385\_helper.bin  
File: libertas/gspi8682.bin  
File: libertas/gspi8682\_helper.bin  
File: libertas/gspi8686\_v9.bin  
File: libertas/gspi8686\_v9\_helper.bin  
File: libertas/gspi8688.bin  
File: libertas/gspi8688\_helper.bin  
File: libertas/sd8385.bin  
File: libertas/sd8385\_helper.bin  
File: libertas/sd8682.bin  
File: libertas/sd8682\_helper.bin  
File: libertas/sd8686\_v8.bin  
File: libertas/sd8686\_v8\_helper.bin  
File: libertas/sd8686\_v9.bin  
File: libertas/sd8686\_v9\_helper.bin  
File: libertas/usb8388\_v5.bin  
File: libertas/usb8388\_v9.bin  
File: libertas/usb8682.bin  
File: mrvl/sd8688.bin  
Link: libertas/sd8688.bin -> ../mrvl/sd8688.bin  
File: mrvl/sd8688\_helper.bin  
Link: libertas/sd8688\_helper.bin -> ../mrvl/sd8688\_helper.bin

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

---

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

File: libertas/lbtf\_sdio.bin

## Notice

Version: 9.0.7.p4

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

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

Licence: Redistributable. See LICENCE.OLPC for details.

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

-----

Driver: 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: 14.66.35.p52

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



## Notice

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

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

File: mrvl/sd8897\_uapsta.bin  
Version: 15.68.7.p77

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

File: mrvl/pcie8897\_uapsta.bin  
Version: 15.68.7.p77

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

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

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

File: mrvl/pcieuart8997\_combo\_v4.bin  
Version: 16.68.1.p70

File: mrvl/pcieusb8997\_combo\_v4.bin  
Version: 16.68.1.p70

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

-----

Driver: iwlwifi - Intel Wireless Wifi

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

## Notice

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

## Notice

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 17.352738.0

## Notice

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 17.352738.0

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

## Notice

File: iwlwifi-7265-17.ucode  
Version 17.352738.0

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 22.361476.0

File: iwlwifi-3168-21.ucode  
Version 21.302800.0

File: iwlwifi-3168-22.ucode  
Version 22.361476.0

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

## Notice

Version 22.361476.0

File: iwlwifi-8265-21.ucode

Version 21.302800.0

File: iwlwifi-8265-22.ucode

Version 22.361476.0

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

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

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

File: v4l-cx231xx-avcore-01.fw

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

File: tehuti/bdx.bin

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Found in hex form in kernel source.

---

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.

\*

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\*/

/\* 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.



## Notice

---

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

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---

Driver: 3c574\_cs - 3Com PCMCIA adapter

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

Licence: Dual GPLv2/MPL

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---

Driver: serial\_cs - Serial PCMCIA adapter

File: cis/MT5634ZLX.cis

File: cis/RS-COM-2P.cis

File: cis/COMpad2.cis

File: cis/COMpad4.cis

Source: cis/src/MT5634ZLX.cis

Source: cis/src/RS-COM-2P.cis

Source: cis/src/COMpad2.cis

Source: cis/src/COMpad4.cis

Licence: Dual GPLv2/MPL

Originally developed by the pcmcia-cs project  
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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/Xilinx7OD.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)

## Notice

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

## Notice

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

## Notice

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

## Notice

File: bnx2x/bnx2x-e1h-7.13.1.0.fw  
File: bnx2x/bnx2x-e2-7.13.1.0.fw

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-----  
Driver: bnx2 - Broadcom NetXtremeII

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

## Notice

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>

## Notice

Driver: snd-wavefront - ISA WaveFront sound card

File: yamaha/yss225\_registers.bin

Licence: Allegedly GPLv2+, but no source visible.

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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

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



## Notice

-----  
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>, 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

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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

## Notice

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

## Notice

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  
File: radeon/CYPRESS\_rlc.bin  
File: radeon/CYPRESS\_uvd.bin  
File: radeon/CYPRESS\_smc.bin  
File: radeon/JUNIPER\_me.bin

## Notice

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

## Notice

File: radeon/PITCAIRN\_rlc.bin  
File: radeon/PITCAIRN\_smc.bin  
File: radeon/TAHITI\_ce.bin  
File: radeon/TAHITI\_mc.bin  
File: radeon/TAHITI\_mc2.bin  
File: radeon/TAHITI\_me.bin  
File: radeon/TAHITI\_pfp.bin  
File: radeon/TAHITI\_rlc.bin  
File: radeon/TAHITI\_uvd.bin  
File: radeon/TAHITI\_smc.bin  
File: radeon/TAHITI\_vce.bin  
File: radeon/VERDE\_ce.bin  
File: radeon/VERDE\_mc.bin  
File: radeon/VERDE\_mc2.bin  
File: radeon/VERDE\_me.bin  
File: radeon/VERDE\_pfp.bin  
File: radeon/VERDE\_rlc.bin  
File: radeon/VERDE\_smc.bin  
File: radeon/OLAND\_ce.bin  
File: radeon/OLAND\_mc.bin  
File: radeon/OLAND\_mc2.bin  
File: radeon/OLAND\_me.bin  
File: radeon/OLAND\_pfp.bin  
File: radeon/OLAND\_rlc.bin  
File: radeon/OLAND\_smc.bin  
File: radeon/HAINAN\_ce.bin  
File: radeon/HAINAN\_mc.bin  
File: radeon/HAINAN\_mc2.bin  
File: radeon/HAINAN\_me.bin  
File: radeon/HAINAN\_pfp.bin  
File: radeon/HAINAN\_rlc.bin  
File: radeon/HAINAN\_smc.bin  
File: radeon/BONAIRE\_ce.bin  
File: radeon/BONAIRE\_mc.bin  
File: radeon/BONAIRE\_mc2.bin  
File: radeon/BONAIRE\_me.bin  
File: radeon/BONAIRE\_mec.bin  
File: radeon/BONAIRE\_pfp.bin  
File: radeon/BONAIRE\_rlc.bin  
File: radeon/BONAIRE\_sdma.bin  
File: radeon/BONAIRE\_uvd.bin



## Notice

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

## Notice

File: radeon/tahiti\_rlc.bin  
File: radeon/tahiti\_smc.bin  
File: radeon/verde\_ce.bin  
File: radeon/verde\_k\_smc.bin  
File: radeon/verde\_mc.bin  
File: radeon/verde\_me.bin  
File: radeon/verde\_pfp.bin  
File: radeon/verde\_rlc.bin  
File: radeon/verde\_smc.bin  
File: radeon/oland\_ce.bin  
File: radeon/oland\_k\_smc.bin  
File: radeon/oland\_mc.bin  
File: radeon/oland\_me.bin  
File: radeon/oland\_pfp.bin  
File: radeon/oland\_rlc.bin  
File: radeon/oland\_smc.bin  
File: radeon/hainan\_ce.bin  
File: radeon/hainan\_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

## Notice

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

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-----  
Driver: amdgpu - AMD Radeon

## Notice

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

## Notice

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

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## Notice

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Driver: s2255drv

File: f2255usb.bin

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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

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Driver: ib\_qib - QLogic Infiniband

File: qllogic/sd7220.fw

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Found in hex form in kernel source.

-----

Driver: qed - QLogic 4xxx 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

## Notice

File: qed/qed\_init\_values\_zipped-8.10.5.0.bin  
File: qed/qed\_init\_values\_zipped-8.10.10.0.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/CMVeiWO.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



## Notice

File: ueagle-atm/CMVepES.bin  
File: ueagle-atm/CMVepWO.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

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-----  
Driver: brcmsmac - 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.

## Notice

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

File: brcm/bcm4329-fullmac-4.bin  
File: brcm/brcmfmac43236b.bin  
File: brcm/brcmfmac4329-sdio.bin  
File: brcm/brcmfmac4330-sdio.bin  
File: brcm/brcmfmac4334-sdio.bin  
File: brcm/brcmfmac43340-sdio.bin  
File: brcm/brcmfmac4335-sdio.bin  
File: brcm/brcmfmac43362-sdio.bin  
File: brcm/brcmfmac4339-sdio.bin  
File: brcm/brcmfmac43241b0-sdio.bin  
File: brcm/brcmfmac43241b4-sdio.bin  
File: brcm/brcmfmac43241b5-sdio.bin  
File: brcm/brcmfmac43242a.bin  
File: brcm/brcmfmac43143.bin  
File: brcm/brcmfmac43143-sdio.bin  
File: brcm/brcmfmac43430-sdio.bin  
File: brcm/brcmfmac43455-sdio.bin  
File: brcm/brcmfmac4350c2-pcie.bin  
File: brcm/brcmfmac4350-pcie.bin  
File: brcm/brcmfmac4354-sdio.bin  
File: brcm/brcmfmac4356-pcie.bin  
File: brcm/brcmfmac43569.bin  
File: brcm/brcmfmac43570-pcie.bin  
File: brcm/brcmfmac43602-pcie.bin  
File: brcm/brcmfmac43602-pcie.ap.bin  
File: brcm/brcmfmac4366b-pcie.bin  
File: brcm/brcmfmac4371-pcie.bin

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

-----

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

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

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

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

File: ti-connectivity/wl1251-fw.bin

Version: 4.0.4.3.7

File: ti-connectivity/wl1251-nvs.bin

Licence: Redistributable. See LICENCE.wl1251 for details.

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

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

---

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

File: ti-connectivity/wl1271-fw.bin

Version: 6.1.0.50.350 (STA-only)

File: ti-connectivity/wl1271-fw-2.bin

Version: 6.1.5.50.74 (STA-only)

File: ti-connectivity/wl1271-fw-ap.bin

Version: 6.2.1.0.54 (AP-only)

File: ti-connectivity/wl127x-fw-3.bin

Version: 6.3.0.0.77

File: ti-connectivity/wl127x-fw-plt-3.bin

Version: 6.3.0.0.77 (PLT-only)

File: ti-connectivity/wl127x-fw-4-sr.bin

Version: 6.3.5.0.98 (Single-role)

File: ti-connectivity/wl127x-fw-4-mr.bin

Version: 6.5.2.0.15 (Multi-role)

File: ti-connectivity/wl127x-fw-4-plt.bin

Version: 6.3.5.0.98 (PLT-only)

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

Version: 6.3.10.0.133 (Single-role)

## Notice

File: ti-connectivity/wl127x-fw-5-mr.bin  
Version: 6.5.7.0.42 (Multi-role)  
File: ti-connectivity/wl127x-fw-5-plt.bin  
Version: 6.3.10.0.133 (PLT-only)

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

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

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

The NVS file includes two parts:

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

The published NVS files are for testing only. Every device needs to have a unique NVS which is properly calibrated for best results. You can find more information about NVS generation for your device here:

## Notice

<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: 8.9.0.0.69

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

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

---

Driver: TI\_ST - Texas Instruments bluetooth driver

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

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

TIInit\_7.2.31.bts version 7.2.31

## Notice

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.

## Notice

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\_TM5C.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

## Notice

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: r8723au - Realtek 802.11n WLAN driver for RTL8723AU

Info: Taken from Realtek driver rtl8723A\_WiFi\_linux\_v4.1.3\_6044.20121224

Firmware is embedded in the driver as data statements. This info has been extracted into a binary file.

File: rtlwifi/rtl8723aufw\_A.bin

File: rtlwifi/rtl8723aufw\_B.bin

File: rtlwifi/rtl8723aufw\_B\_NoBT.bin

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

---

Driver: rtl8188ee - Realtek 802.11n WLAN driver for RTL8188EE

Info: Taken from Realtek version rtl\_92ce\_92se\_92de\_8723ae\_88ee\_linux\_mac80211\_0010.0109.2013

File: rtlwifi/rtl8188efw.bin

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

---

Driver: rtl8188eu - Realtek 802.11n WLAN driver for RTL8188EU

Info: Taken from Realtek version RTL8188EUS\_linux\_v4.1.4\_6773.20130222

File: rtlwifi/rtl8188eufw.bin

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

---



## Notice

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: rtl8192ee - Realtek 802.11n WLAN driver for RTL8192EE

Info: Initial version taken from Realtek version

rtl\_92ce\_92se\_92de\_8723ae\_88ee\_8723be\_92ee\_linux\_mac80211\_0017.1224.2013

Updated Jan. 14, 2015 with file added by Realtek to

[http://github.com/lwfinger/rtlwifi\\_new.git](http://github.com/lwfinger/rtlwifi_new.git).

File: rtlwifi/rtl8192eefw.bin

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

-----

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

Info: rtl8723au taken from Realtek driver

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

Firmware is embedded in the driver as data statements. This info has been extracted into a binary file.

File: rtlwifi/rtl8723aufw\_A.bin

File: rtlwifi/rtl8723aufw\_B.bin

File: rtlwifi/rtl8723aufw\_B\_NoBT.bin

Info: rtl8723bu taken from Realtek driver

rtl8723BU\_WiFi\_linux\_v4.3.16\_14189.20150519\_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

## Notice

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

## Notice

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

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

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

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

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

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

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

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

### Licence:

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\*

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\* data in hexadecimal or equivalent format, provided this copyright  
\* notice is accompanying it.

-----  
Driver: vt6656 - VIA VT6656 USB wireless driver

File: vntwusb.fw

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

## Notice

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

## Notice

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

## Notice

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: 10.2.4.70.54

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/QCA9377/hw1.0/board.bin

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

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

Version: WLAN.TF.1.0-00267-1

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: 10.4-3.2.1-00028

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: 10.2.4-1.0-00013

## Notice

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: 10.4-3.2-00072

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: 10.4-3.2-00072

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

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

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Driver: myri10ge - Myri10GE 10GbE NIC driver

File: myri10ge\_eth\_z8e.dat

File: myri10ge\_ethp\_z8e.dat

File: myri10ge\_rss\_eth\_z8e.dat

File: myri10ge\_rss\_ethp\_z8e.dat

File: myri10ge\_eth\_big\_z8e.dat

File: myri10ge\_ethp\_big\_z8e.dat

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

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

Version: 1.4.57

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

## Notice

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

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

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

---

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



## Notice

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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## Notice

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\_86\_0001  
File: intel/ibt-hw-37.7.10-fw-1.0.2.3.d.bseq  
Version: BT\_WilkinsPeak\_B3\_REL\_86\_0001  
File: intel/ibt-hw-37.7.10-fw-1.80.1.2d.d.bseq  
Version: BT\_WilkinsPeak\_B5\_REL\_39\_0001  
File: intel/ibt-hw-37.7.10-fw-1.0.1.2d.d.bseq  
Version: BT\_WilkinsPeak\_B5\_REL\_39\_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

## Notice

Version: BT\_StonePeak\_D0\_REL\_37\_0002  
File: intel/ibt-hw-37.8.10-fw-22.50.19.14.f.bseq  
Version: BT\_StonePeak\_D1\_REL\_25\_0001  
File: intel/ibt-11-5.ddc  
Version: LnP/SfP\_REL0351  
File: intel/ibt-11-5.sfi  
Version: BT\_LightningPeak\_REL0351  
File: intel/ibt-12-16.ddc  
Version: BT\_WindStormPeak\_REL0082  
File: intel/ibt-12-16.sfi  
Version: BT\_WindStormPeak\_REL0082

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

File: rtl\_bt/rtl8192ee\_fw.bin  
File: rtl\_bt/rtl8192eu\_fw.bin  
File: rtl\_bt/rtl8723a\_fw.bin  
File: rtl\_bt/rtl8723b\_fw.bin  
File: rtl\_bt/rtl8761a\_fw.bin  
File: rtl\_bt/rtl8812ae\_fw.bin  
File: rtl\_bt/rtl8821a\_fw.bin  
File: rtl\_bt/rtl8822b\_fw.bin  
File: rtl\_bt/rtl8822b\_config.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.

-----  
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

## Notice

File: rp2.fw

Licence: Redistributable.

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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

## Notice

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---

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

File: amd-ucode/microcode\_amd.bin

Version: 2013-07-10

File: amd-ucode/microcode\_amd\_fam15h.bin

Version: 2016-03-16

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

Version: 2014-10-28

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---

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

File: moxa/moxa-1110.fw

File: moxa/moxa-1130.fw

File: moxa/moxa-1131.fw

File: moxa/moxa-1150.fw

File: moxa/moxa-1151.fw

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Driver: mxuport - MOXA UPort USB Serial hub driver

File: moxa/moxa-1250.fw

File: moxa/moxa-1251.fw

File: moxa/moxa-1410.fw

File: moxa/moxa-1450.fw

File: moxa/moxa-1451.fw

File: moxa/moxa-1613.fw

File: moxa/moxa-1618.fw

File: moxa/moxa-1653.fw

File: moxa/moxa-1658.fw

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---

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

File: wsm\_22.bin

Version: WSM395

Licence: Redistributable. See LICENCE.cw1200 for details.

File: sdd\_sagrad\_1091\_1098.bin

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

File: cbfw-3.2.1.1.bin

File: ctfw-3.2.1.1.bin

File: ct2fw-3.2.1.1.bin

File: cbfw-3.2.3.0.bin

File: ctfw-3.2.3.0.bin

File: ct2fw-3.2.3.0.bin

File: cbfw-3.2.5.1.bin

File: ctfw-3.2.5.1.bin

File: ct2fw-3.2.5.1.bin

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-----  
Driver: qat - Intel(R) QAT crypto accelerator

File: qat\_895xcc.bin

File: qat\_895xcc\_mmp.bin

File: qat\_c3xxx.bin

File: qat\_c3xxx\_mmp.bin

File: qat\_c62x.bin

File: qat\_c62x\_mmp.bin

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

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-----  
Driver: rsi -- Redpine Signals Inc 91x driver

File: rsi\_91x.fw

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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  
-----

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



## Notice

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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\_v827.bin

Version: 8.20.00.927

File: intel/dsp\_fw\_release\_v869.bin

Version: 8.20.00.869

File: intel/dsp\_fw\_release\_v896.bin

Version: 8.20.00.896

File: intel/dsp\_fw\_release\_v927.bin

Version: 8.20.00.927

File: intel/dsp\_fw\_release\_v948.bin

Version: 8.20.00.948

## Notice

File: intel/dsp\_fw\_release\_v951.bin  
Version: 8.20.00.951  
File: intel/dsp\_fw\_release\_v958.bin  
Version: 8.20.00.958  
Link: intel/dsp\_fw\_release.bin -> dsp\_fw\_release\_v958.bin

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

File: intel/dsp\_fw\_bxtn\_v430.bin  
Version: 9.00.00.430  
File: intel/dsp\_fw\_bxtn\_v702.bin  
Version: 9.00.00.702  
File: intel/dsp\_fw\_bxtn\_v1118.bin  
Version: 9.22.00.1118  
Link: intel/dsp\_fw\_bxtn.bin -> dsp\_fw\_bxtn\_v1118.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  
Link: intel/dsp\_fw\_kbl.bin -> dsp\_fw\_kbl\_v1037.bin

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

-----  
Driver: smsmdtv - Siano MDTV Core module

File: cmmb\_vega\_12mhz.inp  
File: cmmb\_venice\_12mhz.inp  
File: dvb\_nova\_12mhz.inp  
File: dvb\_nova\_12mhz\_b0.inp  
File: isdbt\_nova\_12mhz.inp  
File: isdbt\_nova\_12mhz\_b0.inp  
File: isdbt\_rio.inp  
File: sms1xxx-hcw-55xxx-dvbt-02.fw  
File: sms1xxx-hcw-55xxx-isdbt-02.fw  
File: sms1xxx-nova-a-dvbt-01.fw  
File: sms1xxx-nova-b-dvbt-01.fw

## Notice

File: sms1xxx-stellar-dvbt-01.fw

File: tdmb\_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: atusb - ATUSB IEEE 802.15.4 transceiver driver

File: atusb/atusb-0.2.dfu

Version: 0.2

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

## Notice

File: qca/rampatch\_00130300.bin

File: qca/rampatch\_00130302.bin

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

-----

Driver: liquidio -- Cavium LiquidIO driver

File: liquidio/lio\_210nv\_nic.bin

Version: v1.1.9

File: liquidio/lio\_210sv\_nic.bin

Version: v1.1.9

File: liquidio/lio\_410nv\_nic.bin

Version: v1.1.9

Licence: Redistributable. See LICENSE.cavium for details

-----

Driver: i915 -- Intel Integrated Graphics driver

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

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

File: i915/skl\_dmc\_ver1.bin

Version: DMC API/ABI ver 1 - release 26 for Skylake

File: i915/bxt\_dmc\_ver1\_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/skl\_guc\_ver1.bin

Version: Guc API/ABI ver 1 - release 1059 for Skylake

File: i915/skl\_guc\_ver4.bin

## Notice

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

License: Redistributable. See LICENSE.i915 for details

---

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

## Notice

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

## Notice

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

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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

License: Redistributable. See LICENSE.atmel for details

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Driver: hfi1 - Intel OPA Gen 1 adapter

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

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

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Licence: Redistributable. See LICENCE.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 LICENCE.Marvell for details.

---

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

File: vpu\_d.bin

File: vpu\_p.bin

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Driver: rk3399-dptx - ROCKCHIP rk3399 dptx firmware

File: rockchip/dptx.bin

Version: 3.1



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Fast discrete Fourier and cosine transforms and inverses author: Monty xiphmont@mit.edu modifications

## Notice

by: Monty last modification date: Jul 1 1996

/\* These Fourier routines were originally based on the Fourier routines of the same names from the NETLIB bihar and fftpack fortran libraries developed by Paul N. Swarztrauber at the National Center for Atmospheric Research in Boulder, CO USA. They have been reimplemented in C and optimized in a few ways for OggSquish. \*/

/\* As the original fortran libraries are public domain, the C Fourier routines in this file are hereby released to the public domain as well. The C routines here produce output exactly equivalent to the original fortran routines. Of particular interest are the facts that (like the original fortran), these routines can work on arbitrary length vectors that need not be powers of two in length. \*/

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- ctypes - Unspecified
- mohawk - 0.3.4
- mozilla-version - 0.3.0
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11. [12]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
12. [13]Sven Dietrich <sven\_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
13. [14]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
14. [15]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
15. [16]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
16. [17]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
17. [18]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
18. [19]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
19. [20]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
20. [21]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or [22]<H.Lambermont@chello.nl> ntpsweep
21. [23]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
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PARSE <GENERIC> driver (14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup
23. [26]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HP/UX modifications
24. [27]Dave Katz <dkatz@cisco.com> RS/6000 AIX port

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25. [28]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
26. [29]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
27. [30]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
28. [31]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
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[54]David L. Mills <mills@udel.edu>

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

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

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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

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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
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2.5.3	2.5.2	2008	PSF	yes
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2.6.2	2.6.1	2009	PSF	yes
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A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

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Independent implementation of MD5 ([RFC 1321](#)).

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The original and principal author of md5.h is L. Peter Deutsch <[ghost@aladdin.com](mailto:ghost@aladdin.com)>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed

```
references to Ghostscript; clarified derivation from RFC 1321;  
now handles byte order either statically or dynamically.
```

1999-11-04 lpd Edited comments slightly for automatic TOC extraction. 1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5);

```
added conditionalization for C++ compilation from Martin  
Purschke <purschke@bnl.gov>.
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1999-05-03 lpd Original version.

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- ◆ \$Id: sha2.c,v 1.1 2001/11/08 00:01:51 adg Exp \$ / File: LLM\_sp\_sha2.c

/

- ◆ FILE: sha2.h
- ◆ AUTHOR: Aaron D. Gifford <[me@aarongifford.com](mailto:me@aarongifford.com)> \*
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- 

2.

/ utility to create the register check tables \* this includes inlined list.h safe for userspace. \*

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*File: comm\_lib.h*

---

3.

*/ crypto/aes/aes.h -- mode:C; c-file-style: "eay" -- //*

---

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---

*\* / File Name list: aes.h, aes\_locl.h*

---

4.

*/ crypto/aes/aes\_core.c -- mode:C; c-file-style: "eay" -- / #\**

- ◆ rijndael-alg-fst.c \*
- ◆ @version 3.0 (December 2000) \*
- ◆ Optimised ANSI C code for the Rijndael cipher (now AES) \*
- ◆ @author Vincent Rijmen <[vincent.rijmen@esat.kuleuven.ac.be](mailto:vincent.rijmen@esat.kuleuven.ac.be)>
- ◆ @author Antoon Bosselaers <[antoon.bosselaers@esat.kuleuven.ac.be](mailto:antoon.bosselaers@esat.kuleuven.ac.be)>
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5.

/=====

### EDIT HISTORY FOR FILE

\$Header: //depot/asic/msmshared/sec/sec/MSM\_SEC.03.03.08.xx/aes.h#1 \$ \$DateTime: 2006/12/11 00:43:21  
\$ \$Author: davidf \$

when            who            what, where, why  
-----        -

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```
11/12/04  rv      changes to correct LINT errors
02/02/04  rwh      Small mods to open source.
```

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*File: aes.h*

### EDIT HISTORY FOR FILE

```
$Header: //depot/asic/msmshared/sec/sec/MSM_SEC.03.03.08.xx/aes_tab.h#1 $ $DateTime: 2006/12/11
00:43:21 $ $Author: davidf $
```

```
when      who      what, where, why
-----
11/12/04  rv      changes to correct LINT errors
02/02/04  rwh      Small mods to open source.
```

/lint -e146 -e303 /

/146: Assuming a binary constant /

/303: String too long (try +macros) /

/

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*File: aes\_tab.h*

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6.

---

#FILE:Confstest.py

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#

#

---

File: Confstest.py

---

7.

---

/ \*\*

\*

- ◆ Fowler/Noll/Vo- hash \*
- ◆ The basis of this hash algorithm was taken from an idea sent
- ◆ as reviewer comments to the IEEE POSIX P1003.2 committee by: \*
- ◆ Phong Vo (<http://www.research.att.com/info/kpv/>)
- ◆ Glenn Fowler (<http://www.research.att.com/~gsf/>) \*
- ◆ In a subsequent ballot round: \*
- ◆ Landon Curt Noll (<http://www.isthe.com/chongo/>) \*
- ◆ improved on their algorithm. Some people tried this hash
- ◆ and found that it worked rather well. In an EMail message
- ◆ to Landon, they named it the ``Fowler/Noll/Vo" or FNV hash. \*
- ◆ FNV hashes are designed to be fast while maintaining a low
- ◆ collision rate. The FNV speed allows one to quickly hash lots

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  - ◆ chongo <Landon Curt Noll> ^oo^
  - ◆ <http://www.isthe.com/chongo/> \*
  - ◆ Share and Enjoy! :-)/ *File: fm\_fnv\_hash.h, fm\_fnv\_hash.c*
- 

8.

---

/

```
◆ $Header: //source/qcom/qct/core/api/kernel/main/latest/libstd/stringl/stringl.h#13 $
◆ $DateTime: 2013/07/24 11:35:54 $ /
/ $OpenBSD: string.h,v 1.17 2006/01/06 18:53:04 millert Exp $ // $NetBSD: string.h,v 1.6 1994/10/26
00:56:30 cgd Exp $ /
```

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  - ◆ @(#)string.h 5.10 (Berkeley) 3/9/91 / File: stringl.h
- 

9.

---

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- 
- 

/

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  - ◆ First, the polynomial itself and its table of feedback terms. The
  - ◆ polynomial is
  - ◆  $X^{32}+X^{26}+X^{23}+X^{22}+X^{16}+X^{12}+X^{11}+X^{10}+X^8+X^7+X^5+X^4+X^2+X^1+X^0$  \*
  - ◆ Note that we take it "backwards" and put the highest-order term in
  - ◆ the lowest-order bit. The  $X^{32}$  term is "implied"; the LSB is the
  - ◆  $X^{31}$  term, etc. The  $X^0$  term (usually shown as "+1") results in
  - ◆ the MSB being 1 \*
  - ◆ Note that the usual hardware shift register implementation, which
  - ◆ is what we're using (we're merely optimizing it by doing eight-bit
  - ◆ chunks at a time) shifts bits into the lowest-order term. In our
  - ◆ implementation, that means shifting towards the right. Why do we
  - ◆ do it this way? Because the calculated CRC must be transmitted in
  - ◆ order from highest-order term to lowest-order term. UARTs transmit
  - ◆ characters in order from LSB to MSB. By storing the CRC this way
  - ◆ we hand it to the UART in the order low-byte to high-byte; the UART
  - ◆ sends each low-bit to high-bit; and the result is transmission bit
  - ◆ by bit from highest- to lowest-order term without requiring any bit
  - ◆ shuffling on our part. Reception works similarly \*
  - ◆ The feedback terms table consists of 256, 32-bit entries. Notes \*
  - ◆ The table can be generated at runtime if desired; code to do so
  - ◆ is shown later. It might not be obvious, but the feedback
  - ◆ terms simply represent the results of eight shift/xor opera
  - ◆ tions for all combinations of data and CRC register values \*
  - ◆ The values must be right-shifted by eight bits by the "updcrc
  - ◆ logic; the shift must be unsigned (bring in zeroes). On some
  - ◆ hardware you could probably optimize the shift in assembler by
  - ◆ using byte-swap instructions
  - ◆ polynomial \$edb88320
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The AES algorithm Rijndael implemented for block and key sizes of 128, 192 and 256 bits (16, 24 and 32 bytes) by Brian Gladman.

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Dr B. R. Gladman <[brg@gladman.uk.net](mailto:brg@gladman.uk.net)> 1st June 2001.

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/\*

- ◆ hash\_32 - 32 bit Fowler/Noll/Vo hash code \*
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- ◆ AES-based functions \*
  - ◆ - AES Key Wrap Algorithm (128-bit KEK) ([RFC3394](#))
  - ◆ - One-Key CBC MAC (OMAC1) hash with AES-128
  - ◆ - AES-128 CTR mode encryption
  - ◆ - AES-128 EAX mode encryption/decryption
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- ◆ hmac\_sha1.c \*
- ◆ Version 1.0.0 \*

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- cffi - 1.14.0
- deepdiff - 5.2.2
- docopt - 0.6.2
- envparse - 0.2.0
- Flask-Cors - 3.0.9
- flask-restplus - 0.10.1
- libxslt - 1.1.34
- netifaces - 0.10.5
- ordered-set - 4.0.2
- Py-FileLock - 3.0.12

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- PyJWT - 1.7.1
- Python six - 1.13.0
- python-future - 0.17.1
- python-jjsonschema - 2.6.0
- PyTZ - Python Time Zone Library - 2017.2
- redis-py - 2.10.5
- redislite-hotqueue - 1.3.83
- urllib3 - 1.25.11
- azure-activedirectory-identitymodel-extensions-for-dotnet - 5.5.0
- JamesNK/Newtonsoft.Json - 12.0.3

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- JamesNK/Newtonsoft.Json - 12.0.2
- JamesNK/Newtonsoft.Json - 12.0.1
- JSON Web Token Handler For the Microsoft .Net Framework 4.5 - 5.5.0
- Microsoft ASP.NET Core API Versioning - 4.1.0
- Microsoft.AspNetCore.Mvc.Versioning.ApiExplorer - 4.1.0
- Microsoft.CSharp - 4.7.0
- Microsoft.CSharp - 4.6.0-preview.18571.3
- Microsoft.IdentityModel.Logging - 5.5.0
- Microsoft.IdentityModel.Protocols - 5.5.0
- Microsoft.IdentityModel.Protocols.OpenIdConnect - 5.5.0
- Microsoft.IdentityModel.Tokens - 5.5.0

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- Microsoft.OpenApi - 1.1.4
- Microsoft.Win32.Registry - 4.5.0
- Newtonsoft.Json.Bson - 1.0.2
- Swashbuckle.AspNetCore - 5.0.0-rc5
- Swashbuckle.AspNetCore.Swagger - 5.0.0-rc5
- Swashbuckle.AspNetCore.SwaggerGen - 5.0.0-rc5
- Swashbuckle.AspNetCore.SwaggerUI - 5.0.0-rc5
- System Buffers - 4.5.0
- System.ComponentModel.Annotations - 4.5.0
- System.Diagnostics.Tools - 4.3.0



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- System.IO.Compression - 4.3.0
- System.Memory - 4.5.1
- System.Runtime.CompilerServices.Unsafe - 4.5.1
- System.Security.AccessControl - 4.5.0
- System.Security.Cryptography.Cng - 4.5.0
- System.Security.Cryptography.Cng - 4.3.0
- System.Security.Cryptography.OpenSsl - 4.3.0
- System.Security.Cryptography.Pkcs - 4.5.0
- System.Security.Cryptography.Xml - 4.5.0
- System.Security.Permissions - 4.5.0

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- System.Security.Principal.Windows - 4.5.0
- System.Text.Encodings.Web - 4.5.0
- args4j - 2.0.29
- Bouncy Castle - 1.69
- Bouncy Castle PKIX, CMS, EAC, TSP, PKCS, OCSP, CMP, and CRMF APIs - 1.69
- rngom - 201103.jboss-1
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- Jakarta Activation - 1.1
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