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acl	LGPLv2.1+ & GPLv2+
acl-native	LGPLv2.1+ & GPLv2+
alsa-lib	LGPLv2.1 & GPLv2+
alsa-state	MIT
alsa-state-stm32mp1	MIT
alsa-tools	GPLv2 & LGPLv2+
alsa-topology-conf	BSD-3-Clause
alsa-ucm-conf	BSD-3-Clause
alsa-utils	GPLv2
apt	GPLv2.0+
apt-native	GPLv2.0+
attr	LGPLv2.1+ & GPLv2+
attr-native	LGPLv2.1+ & GPLv2+
autoconf-archive	GPL-3.0-with-autoconf-exception
autoconf-archive-native	GPL-3.0-with-autoconf-exception
autoconf-native	GPLv2 & GPLv3
automake-native	GPLv2
avahi	GPLv2+ & LGPLv2.1+
base-files	GPLv2
base-passwd	GPLv2
bash	GPLv3+
bash-completion	GPLv2
bc-native	GPLv3+
beep	GPL-2.0
binutils-cross-arm	GPLv3
binutils-native	GPLv3
bison-native	GPLv3
bluez5	GPLv2+ & LGPLv2.1+
busybox	GPLv2 & bzip2-1.0.4
bzip2	bzip2-1.0.6
bzip2-native	bzip2-1.0.6
ca-certificates	GPL-2.0+ & MPL-2.0
can-utils	GPLv2 & BSD-3-Clause
cmake-native	BSD-3-Clause
coreutils	GPLv3+
cracklib	LGPLv2.1+
cracklib-native	LGPLv2.1+
cross-localedef-native	LGPL-2.1
curl	MIT
curl-native	MIT
db	Sleepycat
db-native	Sleepycat
dbus	AFL-2.1 GPLv2+

dbus-native	AFL-2.1 GPLv2+
debianutils	GPLv2 & SMAIL_GPL
debianutils-native	GPLv2 & SMAIL_GPL
depmodwrapper-cross	MIT
dpkg	GPLv2.0+
dpkg-native	GPLv2.0+
dtc-native	GPLv2 BSD
dwarfsrfiles-native	GPLv2+
e2fsprogs	GPLv2 & LGPLv2 & BSD & MIT
e2fsprogs-native	GPLv2 & LGPLv2 & BSD & MIT
elfutils	GPLv2 & LGPLv3+ & GPLv3+
elfutils-native	GPLv2 & LGPLv3+ & GPLv3+
eudev	GPLv2.0+ & LGPL-2.1+
evtest	GPLv2
expat	MIT
expat-native	MIT
file	BSD-2-Clause
file-native	BSD-2-Clause
findutils	GPLv3+
flac	GFDL-1.2 & GPLv2+ & LGPLv2.1+ & BSD
flex	BSD-2-Clause
flex-native	BSD-2-Clause
gawk	GPLv3
gcc-cross-arm	GPL-3.0-with-GCC-exception & GPLv3
gcc-runtime	GPL-3.0-with-GCC-exception
gcnano-driver-stm32mp	GPLv1 & MIT
gdb	GPLv2 & GPLv3 & LGPLv2 & LGPLv3
gdb-cross-arm	GPLv2 & GPLv3 & LGPLv2 & LGPLv3
gdbm	GPLv3
gdbm-native	GPLv3
gettext-minimal-native	FSF-Unlimited
gettext-native	GPLv3+ & LGPL-2.1+
glib-2.0	LGPLv2.1+ & BSD & PD
glib-2.0-native	LGPLv2.1+ & BSD & PD
glibc	GPLv2 & LGPLv2.1
glibc-locale	GPLv2 & LGPLv2.1
glibc-mtrace	GPLv2 & LGPLv2.1
gmp	GPLv2+ LGPLv3+
gmp-native	GPLv2+ LGPLv3+
gnu-config-native	GPL-3.0-with-autoconf-exception
gnutls	GPLv3+ & LGPLv2.1+
gobject-introspection	LGPLv2+ & GPLv2+

gobject-introspection-native	LGPLv2+ & GPLv2+
gperf-native	GPLv3+
gtk-doc-native	GPLv2
hdparm	BSD & GPLv2
hidapi-stm32mp-native	BSD-3-Clause GPLv3
i2c-tools	GPLv2+
icu	ICU
icu-native	ICU
image-ktn-stm32mp-t1000-multi-ktn-dunfell-v2.0.0-20220226	
init-ifupdown	GPLv2
initscripts	GPLv2
intltool-native	GPLv2
iproute2	GPLv2+
iptables	GPLv2+
itstool-native	GPLv3
iw	BSD-2-Clause
json-c	MIT
kern-tools-native	GPLv2
kmod	GPL-2.0+ & LGPL-2.1+
kmod-native	GPL-2.0+ & LGPL-2.1+
ldconfig-native	GPLv2+
libarchive	BSD-2-Clause
libarchive-native	BSD-2-Clause
libcap	BSD GPLv2
libcap-ng	GPLv2+ & LGPLv2.1+
libcap-ng-native	GPLv2+ & LGPLv2.1+
libconfig	LGPLv2.1
libdaemon	LGPLv2.1+
libdrm	MIT
libevent	BSD & MIT
libffi	MIT
libffi-native	MIT
libgcc	GPL-3.0-with-GCC-exception & GPLv3
libgcc-initial	GPL-3.0-with-GCC-exception
libgcrypt	GPLv2+ & LGPLv2.1+ & GPLv3+
libgpg-error	GPLv2+ & LGPLv2.1+
libgpiod	LGPLv2.1+
libical	LGPLv2.1 MPL-2.0
libidn2	(GPLv2+ LGPLv3) & GPLv3+
libjitterentropy	GPLv2+ BSD
libmnl	LGPLv2.1+
libmpc-native	LGPLv3

libnl	LGPLv2.1
libnsl2	LGPL-2.1
libnsl2-native	LGPL-2.1
libnss-mdns	LGPLv2.1+
libogg	BSD-3-Clause
libpam	GPLv2+ BSD
libpciaccess	MIT & MIT-style
libpcrc	BSD-3-Clause
libpcrc-native	BSD-3-Clause
libpcrc2-native	BSD-3-Clause
libpthread-stubs	MIT
libpthread-stubs-native	MIT
libsamplerate0	BSD-2-Clause
libSDL2-native	Zlib
libsndfile1	LGPLv2.1
libsocketcan	LGPLv2.1
libsodium	ISC
libtirpc	BSD-3-Clause
libtirpc-native	BSD-3-Clause
libtool-cross	GPLv2 & LGPLv2.1
libtool-native	GPLv2 & LGPLv2.1
libunistring	LGPLv3+ GPLv2
liburcu	LGPLv2.1+ & MIT-style
libusb-compat-native	LGPLv2.1+
libusb1	LGPLv2.1+
libusb1-native	LGPLv2.1+
libvorbis	BSD-3-Clause
libx11-native	MIT & MIT-style & BSD
libxau-native	MIT-style
libxcb-native	MIT
libxcrypt	LGPLv2.1
libxdmcp-native	MIT-style
libxext-native	MIT-style
libxml-parser-perl-native	Artistic-1.0 GPL-1.0+
libxml2	MIT
libxml2-native	MIT
libxrandr-native	MIT-style
libxrender-native	MIT-style
libxslt-native	MIT
libyaml-native	MIT

linux-firmware	Firmware-Abilis & Firmware-adsp_sst & Firmware-agere & Firmware-amdgpu & Firmware-amd-ucode & Firmware-amlogic_vdec & Firmware-atheros_firmware & Firmware-atmel & Firmware-broadcom_bcm43xx & Firmware-ca0132 & Firmware-cavium & Firmware-chelsio_firmware & Firmware-cw1200 & Firmware-cypress & Firmware-dib0700 & Firmware-e100 & Firmware-ene_firmware & Firmware-fw_sst_0f28 & Firmware-go7007 & Firmware-GPLv2 & Firmware-hfi1_firmware & Firmware-i2400m & Firmware-i915 & Firmware-ibt_firmware & Firmware-ice & Firmware-it913x & Firmware-iwlwifi_firmware & Firmware-IntcSST2 & Firmware-kaweth & Firmware-Lontium & Firmware-Marvell & Firmware-moxa & Firmware-myri10ge_firmware & Firmware-netronome & Firmware-nvidia & Firmware-OLPC & Firmware-ath9k-htc & Firmware-phanfw & Firmware-qat & Firmware-qcom & Firmware-qla1280 & Firmware-qla2xxx & Firmware-qualcommAthos_ar3k & Firmware-qualcommAthos_ath10k & Firmware-r8a779x_usb3 & Firmware-radeon & Firmware-ralink_a_mEDIATEK_company_firmware & Firmware-ralink-firmware & Firmware-rtlwifi_firmware & Firmware-imx-sdma_firmware & Firmware-siano & Firmware-tda7706-firmware & Firmware-ti-connectivity & Firmware-ti-keystone & Firmware-ueagle-atm4-firmware & Firmware-via_vt6656 & Firmware-wl1251 & Firmware-xc4000 & Firmware-xc5000 & Firmware-xc5000c & WHENCE
linux-libc-headers	GPLv2
linux-stm32mp	GPLv2
ltnng-ust	LGPLv2.1+ & MIT & GPLv2
lua	MIT
lzo	GPLv2+
lzo-native	GPLv2+
lzop-native	GPLv2+
m4	GPLv3
m4-native	GPLv3
make-mod-scripts	GPLv2
make-native	GPLv3
makedevs-native	GPLv2
meson-native	Apache-2.0
mklbns-native	GPLv2+
modutils-initscripts	PD
mount-userfs-partition	MIT
mpfr-native	LGPLv3+
mptool	MIT
mtd-utils	GPLv2+
nano	GPLv3
ncurses	MIT
ncurses-native	MIT
netbase	GPLv2
nettle	LGPLv3+ GPLv2+
nfs-utils	MIT & GPLv2+ & BSD
ninja-native	Apache-2.0
openocd-stm32mp-native	GPLv2
openssh	BSD-2-Clause & BSD-3-Clause & BSD-4-Clause & ISC & MIT
openssl	openssl
openssl-native	openssl
opkg-utils	GPLv2+

opkg-utils-native	GPLv2+
os-release	MIT
packagegroup-base	MIT
packagegroup-core-boot	MIT
packagegroup-core-ssh-openssh	MIT
packagegroup-core-tools-debug	MIT
packagegroup-update-core	MIT
patch-native	GPLv3
perl	Artistic-1.0 GPL-1.0+
perl-native	Artistic-1.0 GPL-1.0+
pigz-native	Zlib & Apache-2.0
pkgconfig-native	GPLv2+
popt-native	MIT
prelink-native	GPLv2
pseudo-native	LGPL2.1
python3	PSF-2.0 & BSD-0-Clause
python3-dbus	MIT
python3-native	PSF-2.0 & BSD-0-Clause
python3-pyobject	LGPLv2.1
python3-setuptools-native	MIT
qemu-native	GPLv2 & LGPLv2.1
qemuwrapper-cross	MIT
quilt-native	GPLv2
quota	BSD & GPLv2+ & LGPLv2.1+
re2c-native	PD
readline	GPLv3+
readline-native	GPLv3+
rng-tools	GPLv2
rpcbind	BSD-3-Clause
rpm-native	GPL-2.0
rsync-native	GPLv3+
run-postinsts	MIT
shadow	BSD Artistic-1.0
shadow-native	BSD Artistic-1.0
shadow-securetty	MIT
shadow-sysroot	BSD Artistic-1.0
shared-mime-info	GPLv2
shared-mime-info-native	GPLv2
sqlite3	PD
sqlite3-native	PD

stm32wrapper4dbg-native	GPLv2+ BSD-3-Clause
strace	LGPL-2.1+ & GPL-2+
swig-native	BSD & GPLv3
swupdate	GPLv2+ & LGPLv2+ & MIT
swupdate-extra-files	GPLv2
sysfsutils	GPLv2 & LGPLv2.1
sysvinit	GPLv2+
sysvinit-inittab	GPLv2
tcp-wrappers	BSD-1-Clause
texinfo-dummy-native	MIT
tf-a-stm32mp	BSD-3-Clause
u-boot-stm32mp	GPLv2+
u-boot-stm32mp-extlinux	MIT
u-boot-tools-native	GPLv2+
udev-extraconf	MIT
unifdef-native	BSD-2-Clause
unzip-native	BSD-3-Clause
update-rc.d	GPLv2+
update-rc.d-native	GPLv2+
usbutils	GPLv2+ & (GPLv2 GPLv3)
util-linux	GPLv2+ & LGPLv2.1+ & BSD-3-Clause & BSD-4-Clause
util-linux-native	GPLv2+ & LGPLv2.1+ & BSD-3-Clause & BSD-4-Clause
util-macros	MIT & MIT-style
util-macros-native	MIT & MIT-style
watchdog	GPL-2.0+
watchdog-config	MIT-X
wireless-regdb	ISC
wpa-supPLICant	BSD-3-Clause
xcb-PROTO-native	MIT
xorgproto-native	MIT-style
xtrans-native	MIT & MIT-style
xz	GPLv2+ & GPL-3.0-with-autoconf-exception & LGPLv2.1+ & PD
xz-native	GPLv2+ & GPL-3.0-with-autoconf-exception & LGPLv2.1+ & PD
zeromq	LGPLv3+
zlib	Zlib
zlib-native	Zlib

acl

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Version 2.1, February 1999

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to

produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy. For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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alsa-state

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alsa-state-stm32mp1

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alsa-tools

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permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that
there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know

that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion

of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify

that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies

the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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alsa-utils

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automake-native

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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base-passwd

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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bash-completion

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binutils-cross-arm

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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any
other libraries whose authors decide to use it. You can use it for
your libraries, too.

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link a program with the library, you must provide
complete object files to the recipients so that they can relink them
with the library, after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright
the library, and (2) offer you this license which gives you legal
permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all

subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse

engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise

permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

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patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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Version 3, 29 June 2007

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This version of the GNU Lesser General Public License incorporates
the terms and conditions of version 3 of the GNU General Public
License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an
Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked
Version".

The "Minimal Corresponding Source" for a Combined Work means the
Corresponding Source for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the
object code and/or source code for the Application, including any data
and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License
without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a
facility refers to a function or data to be supplied by an Application

that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license document.

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You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

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b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of

the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

5. Combined Libraries.

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

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Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser

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Version 3, 29 June 2007

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Preamble

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When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used

to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

“This License” refers to version 3 of the GNU General Public License.

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

“The Program” refers to any copyrightable work licensed under this License. Each licensee is addressed as “you”. “Licensees” and “recipients” may be individuals or organizations.

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

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

To “propagate” a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To “convey” a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays “Appropriate Legal Notices” to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The “source code” for a work means the preferred form of the work for making modifications to it. “Object code” means any non-source form of a work.

A “Standard Interface” means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

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

The “Corresponding Source” for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow

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bison-native

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Version 3, 29 June 2007

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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Julian Seward, Cambridge, UK.

jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

bzip2

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cmake-native

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coreutils

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object

file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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 - b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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Version 2, June 1991

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elfutils-native

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Version 3, 29 June 2007

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Version 2.1, February 1999

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gcc-cross-arm

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Version 3.1, 31 March 2009

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Version 3.1, 31 March 2009

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Version 3.1, 31 March 2009

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A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

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The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

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Version 2.1, February 1999

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized

party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or

derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the

copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

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, 1 April 1990

Ty Coon, President of Vice

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these

conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
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If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

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.

`gdb-cross-arm`

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Version 3, 29 June 2007

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The reason we have a separate public license for some libraries is that

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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gdbm-native

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-

readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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- For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include

anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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Version 3, 29 June 2007

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TERMS AND CONDITIONS

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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glib-2.0-native

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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glibc

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glibc-mtrace

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gnu-config-native

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Version 3.0, 18 August 2009

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gnutls

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gobject-introspection

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Version 2, June 1991

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[This is the first released version of the library GPL. It is

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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gobject-introspection-native

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gtk-doc-native

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image-ktn-stm32mp-t1000-multi-ktn-dunfell-v2.0.0-20220226

init-ifupdown

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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Ty Coon, President of Vice

That's all there is to it!

kmod-native

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Version 2.1, February 1999

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Idconfig-native

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libcap-ng-native

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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libconfig

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Version 2.1, February 1999

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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libdaemon

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Version 2.1, February 1999

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Version 3.1, 31 March 2009

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Version 3.1, 31 March 2009

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Version 3.1, 31 March 2009

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libgcrypt

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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libpgp-error

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Version 2.1, February 1999

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libmnl

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Version 2.1, February 1999

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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libmpc-native

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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libns12

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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libsdl2-native

Simple DirectMedia Layer
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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libsocketcan

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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libtirpc-native

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libtool-cross

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libtool-native

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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liburcu

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Mathieu Desnoyers

September 3, 2012

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```
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```

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```

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Version 2.1, February 1999

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the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small

inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
 - b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
 - c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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- For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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libusb-compat-native

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit

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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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libusb1-native

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Version 2.1, February 1999

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time

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libxau-native

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libxcrypt

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libxdmcp-native

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libxext-native

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libxml-parser-perl-native

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libxml2

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libxrandr-native

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libxrender-native

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libyaml-native

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linux-firmware

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Firmware provided by Pierrick Hascoet to Devin Heitmueller on January 15, 2010.

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The README file from the original package from Micronas appears below. Only the part about the firmware redistribution in section 0 is relevant, all other sections are completely obsolete.

WIS GO7007SB Public Linux Driver

*** Please see the file RELEASE-NOTES for important last-minute updates ***

0. OVERVIEW AND LICENSING/DISCLAIMER

This driver kit contains Linux drivers for the WIS GO7007SB multi-format video encoder. Only kernel version 2.6.x is supported. The video stream is available through the Video4Linux2 API and the audio stream is available through the ALSA API (or the OSS emulation layer of the ALSA system).

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1. SYSTEM REQUIREMENTS

This driver requires Linux kernel 2.6. Kernel 2.4 is not supported. Using kernel 2.6.10 or later is recommended, as earlier kernels are known to have unstable USB 2.0 support.

A fully built kernel source tree must be available. Typically this will be linked from "/lib/modules/build" for convenience. If this link does not exist, an extra parameter will need to be passed to the `make` command.

All vendor-built kernels should already be configured properly. However, for custom-built kernels, the following options need to be enabled in the kernel as built-in or modules:

- CONFIG_HOTPLUG - Support for hot-pluggable devices
- CONFIG_MODULES - Enable loadable module support
- CONFIG_KMOD - Automatic kernel module loading
- CONFIG_FW_LOADER - Hotplug firmware loading support
- CONFIG_I2C - I2C support
- CONFIG_VIDEO_DEV - Video For Linux
- CONFIG_SOUND - Sound card support
- CONFIG_SND - Advanced Linux Sound Architecture
- CONFIG_USB - Support for Host-side USB
- CONFIG_USB_DEVICEFS - USB device filesystem
- CONFIG_USB_EHCI_HCD - EHCI HCD (USB 2.0) support

Additionally, to use the example application, the following options need to be enabled in the ALSA section:

- CONFIG_SND_MIXER_OSS - OSS Mixer API
- CONFIG_SND_PCM_OSS - OSS PCM (digital audio) API

The hotplug scripts, along with the fxload utility, must also be installed. These scripts can be obtained from .

Hotplugging is used for loading firmware into the Cypruss EZ-USB chip using fxload and for loading firmware into the driver using the firmware agent.

2. COMPILING AND INSTALLING THE DRIVER

Most users should be able to compile the driver by simply running:

```
$ make
```

in the top-level directory of the driver kit. First the kernel modules will be built, followed by the example applications.

If the build system is unable to locate the kernel source tree for the currently-running kernel, or if the module should be built for a kernel other than the currently-running kernel, an additional parameter will need to be passed to make to specify the appropriate kernel source directory:

```
$ make KERNELSRC=/usr/src/linux-2.6.10-custom3
```

Once the compile completes, the driver and firmware files should be installed by running:

```
$ make install
```

The kernel modules will be placed in `/lib/modules/extra` and the firmware files will be placed in the appropriate hotplug firmware directory, usually `/lib/firmware`. In addition, USB maps and scripts will be placed in `/etc/hotplug/usb` to enable `fxload` to initialize the EZ-USB control chip when the device is connected.

3. PAL/SECAM TUNER CONFIGURATION (TV402U-EU only)

The PAL model of the Plector ConvertX TV402U may require additional configuration to correctly select the appropriate TV frequency band and audio subchannel.

Users with a device other than the Plector ConvertX TV402U-EU should skip this section.

The wide variety of PAL TV systems used in Europe requires that additional information about the local TV standards be passed to the driver in order to properly tune TV channels. The two necessary parameters are (a) the PAL TV band, and (b) the audio subchannel format in use.

In many cases, the appropriate TV band selection is passed to the driver from applications. However, in some cases, the application only specifies that the driver should use PAL but not the specific information about the appropriate TV band. To work around this issue, the correct TV band may be specified in the `"force_band"` parameter to the `wis-sony-tuner` module:

TV band `force_band`

PAL B/G B
PAL I I
PAL D/K D
SECAM L L

If the "force_band" parameter is specified, the driver will ignore any TV band specified by applications and will always use the band provided in the module parameter.

The other parameter that can be specified is the audio subchannel format. There are several stereo audio carrier systems in use, including NICAM and three varieties of A2. To receive audio broadcast on one of these stereo carriers, the "force_mpx_mode" parameter must be specified to the wis-sony-tuner module.

TV band Audio subcarrier force_mpx_mode

PAL B/G Mono (default) 1
PAL B/G A2 2
PAL B/G NICAM 3
PAL I Mono (default) 4
PAL I NICAM 5
PAL D/K Mono (default) 6
PAL D/K A2 (1) 7
PAL D/K A2 (2) 8
PAL D/K A2 (3) 9
PAL D/K NICAM 10
SECAM L Mono (default) 11
SECAM L NICAM 12

If the "force_mpx_mode" parameter is not specified, the correct mono-only mode will be chosen based on the TV band. However, the tuner will not receive stereo audio or bilingual broadcasts correctly.

To pass the "force_band" or "force_mpx_mode" parameters to the wis-sony-tuner module, the following line must be added to the modprobe configuration file, which varies from one Linux distribution to another.

```
options wis-sony-tuner force_band=B force_mpx_mode=2
```

The above example would force the tuner to the PAL B/G TV band and receive stereo audio broadcasts on the A2 carrier.

To verify that the configuration has been placed in the correct location, execute:

```
$ modprobe -c | grep wis-sony-tuner
```

If the configuration line appears, then modprobe will pass the parameters correctly the next time the wis-sony-tuner module is loaded into the kernel.

4. TESTING THE DRIVER

Because few Linux applications are able to correctly capture from Video4Linux2 devices with only compressed formats supported, the new driver should be tested with the "gorecord" application in the apps/ directory.

First connect a video source to the device, such as a DVD player or VCR. This will be captured to a file for testing the driver. If an input source is unavailable, a test file can still be captured, but the video will be black and the audio will be silent.

This application will auto-detect the V4L2 and ALSA/OSS device names of the hardware and will record video and audio to an AVI file for a specified number of seconds. For example:

```
$ apps/gorecord -duration 60 capture.avi
```

If this application does not successfully record an AVI file, the error messages produced by gorecord and recorded in the system log (usually in /var/log/messages) should provide information to help resolve the problem.

Supplying no parameters to gorecord will cause it to probe the available devices and exit. Use the -help flag for usage information.

5. USING THE DRIVER

The V4L2 device implemented by the driver provides a standard compressed format API, within the following criteria:

- * Applications that only support the original Video4Linux1 API will not be able to communicate with this driver at all.
- * No raw video modes are supported, so applications like xawtv that expect only uncompressed video will not function.
- * Supported compression formats are: Motion-JPEG, MPEG1, MPEG2 and MPEG4.
- * MPEG video formats are delivered as Video Elementary Streams only. Program Stream (PS), Transport Stream (TS) and Packetized Elementary Stream (PES) formats are not supported.
- * Video parameters such as format and input port may not be changed while the encoder is active.
- * The audio capture device only functions when the video encoder is actively capturing video. Attempts to read from the audio device when the encoder is inactive will result in an I/O error.
- * The native format of the audio device is 48Khz 2-channel 16-bit little-endian PCM, delivered through the ALSA system. No audio compression is implemented in the hardware. ALSA may convert to other uncompressed formats on the fly.

The include/ directory contains a C header file describing non-standard features of the GO7007SB encoder, which are described below:

GO7007IOC_S_COMP_PARAMS, GO7007IOC_G_COMP_PARAMS

These ioctls are used to negotiate general compression parameters.

To query the current parameters, call the GO7007IOC_G_COMP_PARAMS ioctl with a pointer to a struct go7007_comp_params. If the driver is not set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct go7007_comp_params and call the GO7007_IOC_S_COMP_PARAMS ioctl with a pointer to this structure. The driver will return the current parameters with any necessary changes to conform to the limitations of the hardware or current compression mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the EINVAL error code will be returned. When I/O is in progress, the EBUSY error code will be returned.

Fields in struct go7007_comp_params:

__u32 The maximum number of frames in each gop_size Group Of Pictures; i.e. the maximum number of frames minus one between each key frame.

__u32 The maximum number of sequential max_b_frames bidirectionally-predicted frames. (B-frames are not yet supported.)

enum go7007_aspect_ratio The aspect ratio to be encoded in the aspect_ratio meta-data of the compressed format.

Choices are:

GO7007_ASPECT_RATIO_1_1
GO7007_ASPECT_RATIO_4_3_NTSC
GO7007_ASPECT_RATIO_4_3_PAL
GO7007_ASPECT_RATIO_16_9_NTSC
GO7007_ASPECT_RATIO_16_9_PAL

__u32 Bit-wise OR of control flags (below)
flags

Flags in struct go7007_comp_params:

GO7007_COMP_CLOSED_GOP Only produce self-contained GOPs, used to produce streams appropriate for random seeking.

GO7007_COMP_OMIT_SEQ_HEADER Omit the stream sequence header.

GO7007IOC_S_MPEG_PARAMS, GO7007IOC_G_MPEG_PARAMS

These ioctls are used to negotiate MPEG-specific stream parameters when the pixelformat has been set to V4L2_PIX_FMT_MPEG.

To query the current parameters, call the GO7007IOC_G_MPEG_PARAMS ioctl with a pointer to a struct go7007_mpeg_params. If the driver is not set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct go7007_mpeg_params and call the GO7007_IOC_S_MPEG_PARAMS ioctl with a pointer to this structure. The driver will return the current parameters with any necessary changes to conform to the limitations of the hardware or selected MPEG mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the EINVAL error code will be returned. When I/O is in progress, the EBUSY error code will be returned.

Fields in struct go7007_mpeg_params:

enum go7007_mpeg_video_standard
mpeg_video_standard The MPEG video standard in which to compress the video.

Choices are:

GO7007_MPEG_VIDEO_MPEG1
GO7007_MPEG_VIDEO_MPEG2
GO7007_MPEG_VIDEO_MPEG4

__u32 Bit-wise OR of control flags (below)
flags

__u32 The profile and level indication to be
pali stored in the sequence header. This
is only used as an indicator to the
decoder, and does not affect the MPEG
features used in the video stream.
Not valid for MPEG1.

Choices for MPEG2 are:

GO7007_MPEG2_PROFILE_MAIN_MAIN

Choices for MPEG4 are:

GO7007_MPEG4_PROFILE_S_L0
GO7007_MPEG4_PROFILE_S_L1
GO7007_MPEG4_PROFILE_S_L2
GO7007_MPEG4_PROFILE_S_L3
GO7007_MPEG4_PROFILE_ARTS_L1
GO7007_MPEG4_PROFILE_ARTS_L2
GO7007_MPEG4_PROFILE_ARTS_L3
GO7007_MPEG4_PROFILE_ARTS_L4
GO7007_MPEG4_PROFILE_AS_L0
GO7007_MPEG4_PROFILE_AS_L1

GO7007_MPEG4_PROFILE_AS_L2
GO7007_MPEG4_PROFILE_AS_L3
GO7007_MPEG4_PROFILE_AS_L4
GO7007_MPEG4_PROFILE_AS_L5

Flags in struct go7007_mpeg_params:

GO7007_MPEG_FORCE_DVD_MODE Force all compression parameters and
bitrate control settings to comply
with DVD MPEG2 stream requirements.
This overrides most compression and
bitrate settings!

GO7007_MPEG_OMIT_GOP_HEADER Omit the GOP header.

GO7007_MPEG_REPEAT_SEQHEADER Repeat the MPEG sequence header at
the start of each GOP.

GO7007IOC_S_BITRATE, GO7007IOC_G_BITRATE

These ioctls are used to set and query the target bitrate value for the
compressed video stream. The bitrate may be selected by storing the
target bits per second in an int and calling GO7007IOC_S_BITRATE with a
pointer to the int. The bitrate may be queried by calling
GO7007IOC_G_BITRATE with a pointer to an int where the current bitrate
will be stored.

Note that this is the primary means of controlling the video quality
for all compression modes, including V4L2_PIX_FMT_MJPEG. The
VIDIOC_S_JPEGCOMP ioctl is not supported.

Installing the WIS PCI Voyager Driver

The WIS PCI Voyager driver requires several patches to the Linux 2.6.11.x
kernel source tree before compiling the driver. These patches update the
in-kernel SAA7134 driver to the newest development version and patch bugs
in the TDA8290/TDA8275 tuner driver.

The following patches must be downloaded from Gerd Knorr's website and
applied in the order listed:

<http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner>
<http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner2>
<http://dl.bytesex.org/patches/2.6.11-2/v4l2-api-mpeg>
<http://dl.bytesex.org/patches/2.6.11-2/saa7134-update>

The following patches are included with this SDK and can be applied in any
order:

patches/2.6.11/saa7134-voyager.diff

patches/2.6.11/tda8275-newaddr.diff
patches/2.6.11/tda8290-ntsc.diff

Check to make sure the CONFIG_VIDEO_SAA7134 option is enabled in the kernel configuration, and build and install the kernel.

After rebooting into the new kernel, the GO7007 driver can be compiled and installed:

```
$ make SAA7134_BUILD=y  
$ make install  
$ modprobe saa7134-go7007
```

There will be two V4L video devices associated with the PCI Voyager. The first device (most likely /dev/video0) provides access to the raw video capture mode of the SAA7133 device and is used to configure the source video parameters and tune the TV tuner. This device can be used with xawtv or other V4L(2) video software as a standard uncompressed device.

The second device (most likely /dev/video1) provides access to the compression functions of the GO7007. It can be tested using the gorecord application in the apps/ directory of this SDK:

```
$ apps/gorecord -vdevice /dev/video1 -noaudio test.avi
```

Currently the frame resolution is fixed at 720x480 (NTSC) or 720x576 (PAL), and the video standard must be specified to both the raw and the compressed video devices (xawtv and gorecord, for example).

RELEASE NOTES FOR WIS GO7007SB LINUX DRIVER

Last updated: 5 November 2005

- Release 0.9.7 includes new support for using udev to run fxload. The install script should automatically detect whether the old hotplug scripts or the new udev rules should be used. To force the use of hotplug, run "make install USE_UDEV=n". To force the use of udev, run "make install USE_UDEV=y".
- Motion detection is supported but undocumented. Try the `modet` app for a demonstration of how to use the facility.
- Using USB2.0 devices such as the TV402U with USB1.1 HCDs or hubs can cause buffer overruns and frame drops, even at low framerates, due to inconsistency in the bitrate control mechanism.
- On devices with an SAA7115, including the Plextor ConvertX, video height values of 96, 128, 160, 192, 256, 320, and 384 do not work in NTSC mode. All valid heights up to 512 work correctly in PAL mode.
- The WIS Star Trek and PCI Voyager boards have no support yet for audio

or the TV tuner.

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Firmware provided as part of an XC5000C Linux developers kit by Ramon Cazares to Devin Heitmueller dheitmueller@linuxtv.org on July 25, 2012.

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

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

Link: brcm/BCM-0a5c-6410.hcd -> 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.
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.

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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

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:
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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: 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:

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

File: kaweth/new_code.bin

File: kaweth/new_code_fix.bin

File: kaweth/trigger_code.bin

File: kaweth/trigger_code_fix.bin

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Found in hex form in the kernel source.

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.

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Driver: keyspan_pda -- USB Keyspan PDA single-port serial device

File: keyspan_pda/keyspan_pda.fw
Source: keyspan_pda/keyspan_pda.S

File: keyspan_pda/xircom_pgs.fw
Source: keyspan_pda/xircom_pgs.S

Source: keyspan_pda/Makefile

Licence: GPLv2 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:

/*

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*/

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

File: emi62/bitstream.fw

Version: 1.0.0.191

Info: DATE= 2002oct28

File: emi62/loader.fw

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:

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

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*

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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 v1.06  
/* Copyright (C) 1998 Inside Out Networks, All rights reserved.  
/******
```

Found in hex form in kernel source.

Driver: io_ti - USB Inside Out Edgeport Serial Driver
(TI Devices)

File: edgeport/down3.bin

Licence:

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

Found in hex form in kernel source.

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/gbrcvuocode.sys

File: slicoss/oasisdbgdownload.sys

File: slicoss/oasisdownload.sys

File: slicoss/oasisrcvuocode.sys

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Driver: sxg - Alacritech IS-NIC products

File: sxg/saharadownloadB.sys

File: sxg/saharadbdownloadB.sys

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This firmware may not be modified.

Found in hex form in kernel source.

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/acl2005_opt_edc.bin

File: cxgb3/acl2005_tw_x_edc.bin

File: cxgb3/acl2020_tw_x_edc.bin

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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-1.26.4.0.bin

Link: cxgb4/t4fw.bin -> t4fw-1.26.4.0.bin

File: cxgb4/t5fw-1.14.4.0.bin

File: cxgb4/t5fw-1.15.37.0.bin

File: cxgb4/t5fw-1.26.4.0.bin

Link: cxgb4/t5fw.bin -> t5fw-1.26.4.0.bin

File: cxgb4/t6fw-1.26.4.0.bin

Link: cxgb4/t6fw.bin -> t6fw-1.26.4.0.bin

File: cxgb4/aq1202_fw.cld

File: cxgb4/bcm8483.bin

File: cxgb4/configs/t4-config-default.txt

File: cxgb4/configs/t5-config-default.txt

File: cxgb4/configs/t6-config-default.txt

File: cxgb4/configs/t5-config-hashfilter.txt

File: cxgb4/configs/t6-config-hashfilter.txt

Link: cxgb4/t4-config.txt -> configs/t4-config-default.txt

Link: cxgb4/t5-config.txt -> configs/t5-config-default.txt

Link: cxgb4/t6-config.txt -> configs/t6-config-default.txt

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

Licence:

- * Firmware is:
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- *
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- * 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

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

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

File: libertas/cf8381.bin
File: libertas/cf8381_helper.bin
File: libertas/cf8385.bin
File: libertas/cf8385_helper.bin
File: libertas/gspi8682.bin
File: libertas/gspi8682_helper.bin
File: libertas/gspi8686_v9.bin
File: libertas/gspi8686_v9_helper.bin
File: libertas/gspi8688.bin
File: libertas/gspi8688_helper.bin
File: libertas/sd8385.bin
File: libertas/sd8385_helper.bin
File: libertas/sd8682.bin
File: libertas/sd8682_helper.bin
File: libertas/sd8686_v8.bin
File: libertas/sd8686_v8_helper.bin
File: libertas/sd8686_v9.bin
File: libertas/sd8686_v9_helper.bin
File: libertas/usb8388_v5.bin
File: libertas/usb8388_v9.bin
File: libertas/usb8682.bin
File: mrvl/sd8688.bin
Link: libertas/sd8688.bin -> ../mrvl/sd8688.bin
File: mrvl/sd8688_helper.bin
Link: libertas/sd8688_helper.bin -> ../mrvl/sd8688_helper.bin

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

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

File: libertas/lbtf_sdio.bin
Version: 9.0.7.p4

File: lbtf_usb.bin
Version: 5.132.3.p1

File: libertas/usb8388_olpc.bin
Version: 5.110.22.p23

Licence: Redistributable. See LICENCE.OLPC for details.

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

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

File: mwl8k/fmimage_8687.fw
File: mwl8k/helper_8687.fw
File: mwl8k/fmimage_8366.fw
File: mwl8k/fmimage_8366_ap-1.fw
File: mwl8k/fmimage_8366_ap-2.fw
File: mwl8k/fmimage_8366_ap-3.fw
Version: 5.2.8.16
File: mwl8k/helper_8366.fw

File: mwl8k/fmimage_8764_ap-1.fw
Version: 7.4.0.9

Licence: Redistributable. See LICENCE.Marvell for details. 8687 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/usbusb8997_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.NXP for details.

Originates from <https://github.com/NXP/mwifiex-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

Link: iwlwifi-7265D-10.ucode -> iwlwifi-7265-10.ucode

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.f2390aa8.0

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: 29.0bd893f3.0

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.ca7b901d.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.ca7b901d.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: 46.5e069cbd.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: 46.5e069cbd.0

File: iwlwifi-cc-a0-46.ucode
Version: 46.3cfab8da.0

File: iwlwifi-cc-a0-48.ucode

Version: 48.4fa0041f.0

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

Version: 48.4fa0041f.0

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

Version: 48.4fa0041f.0

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

Version: 48.4fa0041f.0

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

Version: 48.4fa0041f.0

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

Version: 48.4fa0041f.0

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

Version: 48.4fa0041f.0

File: iwlwifi-cc-a0-50.ucode

Version: 50.3e391d3e.0

File: iwlwifi-Qu-b0-hr-b0-50.ucode

Version: 50.3e391d3e.0

File: iwlwifi-Qu-b0-jf-b0-50.ucode

Version: 50.3e391d3e.0

File: iwlwifi-Qu-c0-hr-b0-50.ucode

Version: 50.3e391d3e.0

File: iwlwifi-Qu-c0-jf-b0-50.ucode

Version: 50.3e391d3e.0

File: iwlwifi-QuZ-a0-hr-b0-50.ucode

Version: 50.3e391d3e.0

File: iwlwifi-QuZ-a0-jf-b0-50.ucode

Version: 50.3e391d3e.0

File: iwlwifi-cc-a0-53.ucode

Version: 53.c31ac674.0

File: iwlwifi-Qu-b0-hr-b0-53.ucode

Version: 53.c31ac674.0

File: iwlwifi-Qu-b0-jf-b0-53.ucode

Version: 53.c31ac674.0

File: iwlwifi-Qu-c0-hr-b0-53.ucode

Version: 53.c31ac674.0

File: iwlwifi-Qu-c0-jf-b0-53.ucode
Version: 53.c31ac674.0

File: iwlwifi-QuZ-a0-hr-b0-53.ucode
Version: 53.c31ac674.0

File: iwlwifi-QuZ-a0-jf-b0-53.ucode
Version: 53.c31ac674.0

File: iwlwifi-cc-a0-55.ucode
Version: 55.d9698065.0

File: iwlwifi-Qu-b0-hr-b0-55.ucode
Version: 55.d9698065.0

File: iwlwifi-Qu-b0-jf-b0-55.ucode
Version: 55.d9698065.0

File: iwlwifi-Qu-c0-hr-b0-55.ucode
Version: 55.d9698065.0

File: iwlwifi-Qu-c0-jf-b0-55.ucode
Version: 55.d9698065.0

File: iwlwifi-QuZ-a0-hr-b0-55.ucode
Version: 55.d9698065.0

File: iwlwifi-QuZ-a0-jf-b0-55.ucode
Version: 55.d9698065.0

File: iwlwifi-cc-a0-59.ucode
Version: 59.601f3a66.0

File: iwlwifi-Qu-b0-hr-b0-59.ucode
Version: 59.601f3a66.0

File: iwlwifi-Qu-b0-jf-b0-59.ucode
Version: 59.601f3a66.0

File: iwlwifi-Qu-c0-hr-b0-59.ucode
Version: 59.601f3a66.0

File: iwlwifi-Qu-c0-jf-b0-59.ucode
Version: 59.601f3a66.0

File: iwlwifi-QuZ-a0-hr-b0-59.ucode
Version: 59.601f3a66.0

File: iwlwifi-QuZ-a0-jf-b0-59.ucode
Version: 59.601f3a66.0

File: iwlwifi-so-a0-gf-a0-64.ucode
Version: 64.97bbee0a.0

File: iwlwifi-so-a0-gf-a0-67.ucode
Version: 67.8f59b80b.0

File: iwlwifi-so-a0-gf4-a0-67.ucode
Version: 67.8f59b80b.0

File: iwlwifi-so-a0-gf-a0.pnvm

File: iwlwifi-so-a0-gf4-a0.pnvm

File: iwlwifi-so-a0-hr-b0-64.ucode
Version: 64.97bbee0a.0

File: iwlwifi-so-a0-jf-b0-64.ucode
Version: 64.97bbee0a.0

File: iwlwifi-ty-a0-gf-a0-59.ucode
Version: 59.601f3a66.0

File: iwlwifi-cc-a0-62.ucode
Version: 62.49eeb572.0

File: iwlwifi-Qu-b0-hr-b0-62.ucode
Version: 62.49eeb572.0

File: iwlwifi-Qu-b0-jf-b0-62.ucode
Version: 62.49eeb572.0

File: iwlwifi-Qu-c0-hr-b0-62.ucode
Version: 62.49eeb572.0

File: iwlwifi-Qu-c0-jf-b0-62.ucode
Version: 62.49eeb572.0

File: iwlwifi-QuZ-a0-hr-b0-62.ucode
Version: 62.49eeb572.0

File: iwlwifi-QuZ-a0-jf-b0-62.ucode
Version: 62.49eeb572.0

File: iwlwifi-ty-a0-gf-a0-62.ucode
Version: 62.49eeb572.0

File: iwlwifi-cc-a0-63.ucode
Version: 63.c04f3485.0

File: iwlwifi-cc-a0-67.ucode
Version: 67.8f59b80b.0

File: iwlwifi-Qu-b0-hr-b0-63.ucode
Version: 63.c04f3485.0

File: iwlwifi-Qu-b0-jf-b0-63.ucode

Version: 63.c04f3485.0

File: iwlwifi-Qu-c0-hr-b0-63.ucode

Version: 63.c04f3485.0

File: iwlwifi-Qu-c0-jf-b0-63.ucode

Version: 63.c04f3485.0

File: iwlwifi-QuZ-a0-hr-b0-63.ucode

Version: 63.c04f3485.0

File: iwlwifi-QuZ-a0-hr-b0-67.ucode

Version: 67.8f59b80b.0

File: iwlwifi-QuZ-a0-jf-b0-63.ucode

Version: 63.c04f3485.0

File: iwlwifi-ty-a0-gf-a0-63.ucode

Version: 63.c04f3485.0

File: iwlwifi-ty-a0-gf-a0-66.ucode

Version: 66.55c64978.0

File: iwlwifi-ty-a0-gf-a0-67.ucode

Version: 67.8f59b80b.0

File: iwlwifi-ty-a0-gf-a0.pnvm

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: 59abc311f49c5a180b5a8a3917912d

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

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Driver: tehuti - Tehuti Networks 10G Ethernet

File: tehuti/bdx.bin

Licence:

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Found in hex form in kernel source.

Driver: typhoon - 3cr990 series Typhoon

File: 3com/typhoon.bin

Licence:

/*

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*/

Found in hex form in kernel source.

Driver: yam - YAM driver for AX.25

File: yam/1200.bin

File: yam/9600.bin

Licence:

* (C) F6FBB 1998

Found in hex form in kernel source.

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

File: 3com/3C359.bin

Licence:

/*

* The firmware this driver downloads into the tokenring card is a
* separate program and is not GPL'd source code, even though the Linux
* side driver and the routine that loads this data into the card are.
*

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* 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

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Driver: serial_cs - Serial PCMCIA adapter

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

Licence: Dual GPLv2/MPL

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

Driver: serial_cs - Serial PCMCIA adapter

File: cis/SW_555_SER.cis

File: cis/SW_7xx_SER.cis

File: cis/SW_8xx_SER.cis

Licence: GPLv3. 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)

Found in hex form in kernel source.

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

File: v4l-cx23418-apu.fw

File: v4l-cx23418-cpu.fw

File: v4l-cx23418-dig.fw

Licence: Redistributable.

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

File: v4l-cx23885-avcore-01.fw

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Driver: cx23840 - Conexant sideport Broadcast A/V decoder

File: v4l-cx25840.fw

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Driver: qllogicpti - PTI Qlogic, ISP Driver

File: qllogic/isp1000.bin

Licence: Unknown

Found in hex form in kernel source.

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
File: bnx2x/bnx2x-e1-7.13.15.0.fw
File: bnx2x/bnx2x-e1h-7.13.15.0.fw
File: bnx2x/bnx2x-e2-7.13.15.0.fw
File: bnx2x/bnx2x-e1-7.13.21.0.fw
File: bnx2x/bnx2x-e1h-7.13.21.0.fw
File: bnx2x/bnx2x-e2-7.13.21.0.fw

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Found in hex form in kernel source.

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/

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 , 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 , 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

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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Found in hex form in kernel source.

Driver: r128 - ATI Rage 128

File: r128/r128_cce.bin

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Found in decimal form in kernel source.

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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Found in hex form in kernel source.

Driver: radeon - ATI Radeon

File: radeon/R600_rlc.bin
File: radeon/R600_uvd.bin
File: radeon/RS780_uvd.bin
File: radeon/R700_rlc.bin
File: radeon/RV710_uvd.bin
File: radeon/RV710_smc.bin
File: radeon/RV730_smc.bin
File: radeon/RV740_smc.bin
File: radeon/RV770_smc.bin
File: radeon/RV770_uvd.bin
File: radeon/CEDAR_me.bin
File: radeon/CEDAR_pfp.bin
File: radeon/CEDAR_rlc.bin
File: radeon/CEDAR_smc.bin
File: radeon/CYPRESS_me.bin
File: radeon/CYPRESS_pfp.bin
File: radeon/CYPRESS_rlc.bin
File: radeon/CYPRESS_uvd.bin
File: radeon/CYPRESS_smc.bin
File: radeon/JUNIPER_me.bin
File: radeon/JUNIPER_pfp.bin
File: radeon/JUNIPER_rlc.bin
File: radeon/JUNIPER_smc.bin
File: radeon/REDWOOD_me.bin
File: radeon/REDWOOD_pfp.bin
File: radeon/REDWOOD_rlc.bin
File: radeon/REDWOOD_smc.bin
File: radeon/PALM_me.bin
File: radeon/PALM_pfp.bin
File: radeon/SUMO_rlc.bin
File: radeon/SUMO_uvd.bin
File: radeon/BARTS_mc.bin
File: radeon/BARTS_me.bin
File: radeon/BARTS_pfp.bin
File: radeon/BARTS_smc.bin
File: radeon/BTC_rlc.bin
File: radeon/CAICOS_mc.bin
File: radeon/CAICOS_me.bin
File: radeon/CAICOS_pfp.bin
File: radeon/CAICOS_smc.bin

File: radeon/TURKS_mc.bin
File: radeon/TURKS_me.bin
File: radeon/TURKS_pfp.bin
File: radeon/TURKS_smc.bin
File: radeon/CAYMAN_mc.bin
File: radeon/CAYMAN_me.bin
File: radeon/CAYMAN_pfp.bin
File: radeon/CAYMAN_rlc.bin
File: radeon/CAYMAN_smc.bin
File: radeon/SUMO_pfp.bin
File: radeon/SUMO_me.bin
File: radeon/SUMO2_pfp.bin
File: radeon/SUMO2_me.bin
File: radeon/ARUBA_me.bin
File: radeon/ARUBA_pfp.bin
File: radeon/ARUBA_rlc.bin
File: radeon/PITCAIRN_ce.bin
File: radeon/PITCAIRN_mc.bin
File: radeon/PITCAIRN_mc2.bin
File: radeon/PITCAIRN_me.bin
File: radeon/PITCAIRN_pfp.bin
File: radeon/PITCAIRN_rlc.bin
File: radeon/PITCAIRN_smc.bin
File: radeon/TAHITI_ce.bin
File: radeon/TAHITI_mc.bin
File: radeon/TAHITI_mc2.bin
File: radeon/TAHITI_me.bin
File: radeon/TAHITI_pfp.bin
File: radeon/TAHITI_rlc.bin
File: radeon/TAHITI_uvd.bin
File: radeon/TAHITI_smc.bin
File: radeon/TAHITI_vce.bin
File: radeon/VERDE_ce.bin
File: radeon/VERDE_mc.bin
File: radeon/VERDE_mc2.bin
File: radeon/VERDE_me.bin
File: radeon/VERDE_pfp.bin
File: radeon/VERDE_rlc.bin
File: radeon/VERDE_smc.bin
File: radeon/OLAND_ce.bin
File: radeon/OLAND_mc.bin
File: radeon/OLAND_mc2.bin
File: radeon/OLAND_me.bin
File: radeon/OLAND_pfp.bin
File: radeon/OLAND_rlc.bin
File: radeon/OLAND_smc.bin
File: radeon/HAINAN_ce.bin
File: radeon/HAINAN_mc.bin
File: radeon/HAINAN_mc2.bin
File: radeon/HAINAN_me.bin
File: radeon/HAINAN_pfp.bin
File: radeon/HAINAN_rlc.bin
File: radeon/HAINAN_smc.bin
File: radeon/BONAIRE_ce.bin

File: radeon/BONAIRE_mc.bin
File: radeon/BONAIRE_mc2.bin
File: radeon/BONAIRE_me.bin
File: radeon/BONAIRE_mec.bin
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File: radeon/BONAIRE_rlc.bin
File: radeon/BONAIRE_sdma.bin
File: radeon/BONAIRE_uvd.bin
File: radeon/BONAIRE_smc.bin
File: radeon/BONAIRE_vce.bin
File: radeon/KABINI_ce.bin
File: radeon/KABINI_me.bin
File: radeon/KABINI_mec.bin
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File: radeon/KABINI_sdma.bin
File: radeon/KAVERI_ce.bin
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File: radeon/KAVERI_sdma.bin
File: radeon/HAWAII_ce.bin
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File: radeon/verde_mc.bin

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File: radeon/mullins_uvd.bin
File: radeon/mullins_vce.bin
File: radeon/banks_k_2_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
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File: amdgpu/navy_flounder_mec2.bin
File: amdgpu/navy_flounder_pfp.bin
File: amdgpu/navy_flounder_rlc.bin
File: amdgpu/navy_flounder_sdma.bin
File: amdgpu/navy_flounder_smc.bin
File: amdgpu/navy_flounder_sos.bin
File: amdgpu/navy_flounder_ta.bin
File: amdgpu/navy_flounder_vcn.bin
File: amdgpu/arcturus_asd.bin
File: amdgpu/arcturus_gpu_info.bin
File: amdgpu/arcturus_mec2.bin
File: amdgpu/arcturus_mec.bin
File: amdgpu/arcturus_rlc.bin
File: amdgpu/arcturus_sdma.bin
File: amdgpu/arcturus_smc.bin
File: amdgpu/arcturus_sos.bin
File: amdgpu/arcturus_ta.bin
File: amdgpu/arcturus_vcn.bin
File: amdgpu/dimgrey_cavefish_ce.bin
File: amdgpu/dimgrey_cavefish_dmcub.bin
File: amdgpu/dimgrey_cavefish_me.bin

File: amdgpu/dimgrey_cavefish_mec.bin
File: amdgpu/dimgrey_cavefish_mec2.bin
File: amdgpu/dimgrey_cavefish_pfp.bin
File: amdgpu/dimgrey_cavefish_rlc.bin
File: amdgpu/dimgrey_cavefish_sdma.bin
File: amdgpu/dimgrey_cavefish_smc.bin
File: amdgpu/dimgrey_cavefish_sos.bin
File: amdgpu/dimgrey_cavefish_ta.bin
File: amdgpu/dimgrey_cavefish_vcn.bin
File: amdgpu/vangogh_asd.bin
File: amdgpu/vangogh_ce.bin
File: amdgpu/vangogh_dmcub.bin
File: amdgpu/vangogh_me.bin
File: amdgpu/vangogh_mec2.bin
File: amdgpu/vangogh_mec.bin
File: amdgpu/vangogh_pfp.bin
File: amdgpu/vangogh_rlc.bin
File: amdgpu/vangogh_sdma.bin
File: amdgpu/vangogh_toc.bin
File: amdgpu/vangogh_vcn.bin
File: amdgpu/yellow_carp_asd.bin
File: amdgpu/yellow_carp_ce.bin
File: amdgpu/yellow_carp_dmcub.bin
File: amdgpu/yellow_carp_me.bin
File: amdgpu/yellow_carp_mec.bin
File: amdgpu/yellow_carp_mec2.bin
File: amdgpu/yellow_carp_pfp.bin
File: amdgpu/yellow_carp_rlc.bin
File: amdgpu/yellow_carp_sdma.bin
File: amdgpu/yellow_carp_ta.bin
File: amdgpu/yellow_carp_toc.bin
File: amdgpu/yellow_carp_vcn.bin
File: amdgpu/beige_goby_ce.bin
File: amdgpu/beige_goby_dmcub.bin
File: amdgpu/beige_goby_me.bin
File: amdgpu/beige_goby_mec.bin
File: amdgpu/beige_goby_mec2.bin
File: amdgpu/beige_goby_pfp.bin
File: amdgpu/beige_goby_rlc.bin
File: amdgpu/beige_goby_sdma.bin
File: amdgpu/beige_goby_smc.bin
File: amdgpu/beige_goby_sos.bin
File: amdgpu/beige_goby_ta.bin
File: amdgpu/beige_goby_vcn.bin
File: amdgpu/cyan_skillfish2_ce.bin
File: amdgpu/cyan_skillfish2_me.bin
File: amdgpu/cyan_skillfish2_mec.bin
File: amdgpu/cyan_skillfish2_mec2.bin
File: amdgpu/cyan_skillfish2_pfp.bin
File: amdgpu/cyan_skillfish2_rlc.bin
File: amdgpu/cyan_skillfish2_sdma.bin
File: amdgpu/cyan_skillfish2_sdma1.bin

Licence: Redistributable. See LICENSE.amdgpu for details.

Driver: s2255drv

File: f2255usb.bin

Version: 1.2.8

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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: qllogic/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
File: qed/qed_init_values-8.40.33.0.bin
File: qed/qed_init_values_zipped-8.42.2.0.bin
File: qed/qed_init_values_zipped-8.59.1.0.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

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.

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/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/brcmfmac4350c2-pcie.bin
File: brcm/brcmfmac4350-pcie.bin
File: brcm/brcmfmac43569.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/brcmfmac4373.bin
File: cypress/cyfm43012-sdio.bin
Link: brcm/brcmfmac43012-sdio.bin -> ../cypress/cyfm43012-sdio.bin
File: cypress/cyfm43012-sdio.clm_blob
Link: brcm/brcmfmac43012-sdio.clm_blob -> ../cypress/cyfm43012-sdio.clm_blob
File: cypress/cyfm43340-sdio.bin
Link: brcm/brcmfmac43340-sdio.bin -> ../cypress/cyfm43340-sdio.bin
File: cypress/cyfm43362-sdio.bin

Link: brcm/brcmfmac43362-sdio.bin -> ../cypress/cyfm43362-sdio.bin
File: cypress/cyfm4339-sdio.bin
Link: brcm/brcmfmac4339-sdio.bin -> ../cypress/cyfm4339-sdio.bin
File: cypress/cyfm43430-sdio.bin
Link: brcm/brcmfmac43430-sdio.bin -> ../cypress/cyfm43430-sdio.bin
File: cypress/cyfm43430-sdio.clm_blob
Link: brcm/brcmfmac43430-sdio.clm_blob -> ../cypress/cyfm43430-sdio.clm_blob
File: cypress/cyfm43455-sdio.bin
Link: brcm/brcmfmac43455-sdio.bin -> ../cypress/cyfm43455-sdio.bin
File: cypress/cyfm43455-sdio.clm_blob
Link: brcm/brcmfmac43455-sdio.clm_blob -> ../cypress/cyfm43455-sdio.clm_blob
File: cypress/cyfm4354-sdio.bin
Link: brcm/brcmfmac4354-sdio.bin -> ../cypress/cyfm4354-sdio.bin
File: cypress/cyfm4354-sdio.clm_blob
Link: brcm/brcmfmac4354-sdio.clm_blob -> ../cypress/cyfm4354-sdio.clm_blob
File: cypress/cyfm4356-pcie.bin
Link: brcm/brcmfmac4356-pcie.bin -> ../cypress/cyfm4356-pcie.bin
File: cypress/cyfm4356-pcie.clm_blob
Link: brcm/brcmfmac4356-pcie.clm_blob -> ../cypress/cyfm4356-pcie.clm_blob
File: cypress/cyfm4356-sdio.bin
Link: brcm/brcmfmac4356-sdio.bin -> ../cypress/cyfm4356-sdio.bin
File: cypress/cyfm4356-sdio.clm_blob
Link: brcm/brcmfmac4356-sdio.clm_blob -> ../cypress/cyfm4356-sdio.clm_blob
File: cypress/cyfm43570-pcie.bin
Link: brcm/brcmfmac43570-pcie.bin -> ../cypress/cyfm43570-pcie.bin
File: cypress/cyfm43570-pcie.clm_blob
Link: brcm/brcmfmac43570-pcie.clm_blob -> ../cypress/cyfm43570-pcie.clm_blob
File: cypress/cyfm4373-sdio.bin
Link: brcm/brcmfmac4373-sdio.bin -> ../cypress/cyfm4373-sdio.bin
File: cypress/cyfm4373-sdio.clm_blob
Link: brcm/brcmfmac4373-sdio.clm_blob -> ../cypress/cyfm4373-sdio.clm_blob
File: cypress/cyfm54591-pcie.bin
Link: brcm/brcmfmac54591-pcie.bin -> ../cypress/cyfm54591-pcie.bin
File: cypress/cyfm54591-pcie.clm_blob
Link: brcm/brcmfmac54591-pcie.clm_blob -> ../cypress/cyfm54591-pcie.clm_blob

Licence: Redistributable. See LICENCE.cypress for details.

File: "brcm/brcmfmac4330-sdio.Prowise-PT301.txt"
File: "brcm/brcmfmac43340-sdio.meegopad-t08.txt"
File: "brcm/brcmfmac43340-sdio.pov-tab-p1006w-data.txt"
File: "brcm/brcmfmac43340-sdio.predia-basic.txt"
File: "brcm/brcmfmac43362-sdio.cubietech,cubietruck.txt"
Link: brcm/brcmfmac43362-sdio.lemaker,bananapro.txt -> brcmfmac43362-sdio.cubietech,cubietruck.txt
File: "brcm/brcmfmac43430a0-sdio.ilife-S806.txt"
File: "brcm/brcmfmac43430a0-sdio.jumper-ezpad-mini3.txt"
File: "brcm/brcmfmac43430a0-sdio.ONDA-V80 PLUS.txt"
File: "brcm/brcmfmac43430-sdio.AP6212.txt"
Link: brcm/brcmfmac43430-sdio.sinovoip,bpi-m2-plus.txt -> brcmfmac43430-sdio.AP6212.txt
Link: brcm/brcmfmac43430-sdio.sinovoip,bpi-m2-zero.txt -> brcmfmac43430-sdio.AP6212.txt
Link: brcm/brcmfmac43430-sdio.sinovoip,bpi-m2-ultra.txt -> brcmfmac43430-sdio.AP6212.txt
Link: brcm/brcmfmac43430-sdio.sinovoip,bpi-m3.txt -> 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"

Link: brcm/brcmfmac43430-sdio.raspberrypi,model-zero-w.txt -> brcmfmac43430-sdio.raspberrypi,3-model-b.txt

File: "brcm/brcmfmac43455-sdio.acepc-t8.txt"

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

Link: brcm/brcmfmac43455-sdio.raspberrypi,3-model-a-plus.txt -> brcmfmac43455-sdio.raspberrypi,3-model-b-plus.txt

File: "brcm/brcmfmac43455-sdio.raspberrypi,4-model-b.txt"

Link: brcm/brcmfmac43455-sdio.Raspberry\ Pi\ Foundation-Raspberry\ Pi\ 4\ Model\ B.txt -> brcmfmac43455-sdio.raspberrypi,4-model-b.txt

Link: brcm/brcmfmac43455-sdio.Raspberry\ Pi\ Foundation-Raspberry\ Pi\ Compute\ Module\ 4.txt -> brcmfmac43455-sdio.raspberrypi,4-model-b.txt

File: "brcm/brcmfmac43455-sdio.MINIX-NEO Z83-4.txt"

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

File: brcm/brcmfmac4356-sdio.vamrs,rock960.txt

Link: brcm/brcmfmac4356-sdio.khadas,vim2.txt -> brcmfmac4356-sdio.vamrs,rock960.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.

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Driver: ti-vpe - Texas Instruments V4L2 driver for Video Processing Engine

File: ti/vpdma-1b8.bin

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

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

Info: From Vendor's rtl8188C_8192C_usb_linux_v4.0.1_6911.20130308 driver

All files extracted from driver/hal/rtl8192c/usb/Hal8192CUHWImg.c

Relevant variables (CONFIG_BT_COEXISTENCE not set):

- rtlwifi/rtl8192cufw_A.bin: Rtl8192CUFwUMCACutImgArray
- rtlwifi/rtl8192cufw_B.bin: Rtl8192CUFwUMCBCutImgArray
- rtlwifi/rtl8192cufw_TMSC.bin: Rtl8192CUFwTSMCImpArray

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

File: rtlwifi/rtl8723defw.bin

Licence: Redistributable. See LICENCE.rtlwifi_firmware.txt for details.

Driver: r8723au - Realtek 802.11n WLAN driver for RTL8723AU

Info: Taken from Realtek driver rtl8723A_WiFi_linux_v4.1.3_6044.20121224

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

File: rtlwifi/rtl8723aufw_A.bin

File: rtlwifi/rtl8723aufw_B.bin

File: rtlwifi/rtl8723aufw_B_NoBT.bin

Licence: Redistributable. See LICENCE.rtlwifi_firmware.txt for details.

Driver: rtl8188ee - Realtek 802.11n WLAN driver for RTL8188EE

Info: Taken from Realtek version rtl_92ce_92se_92de_8723ae_88ee_linux_mac80211_0010.0109.2013

File: rtlwifi/rtl8188efw.bin

Licence: Redistributable. See LICENCE.rtlwifi_firmware.txt for details.

Driver: rtl8188eu - Realtek 802.11n WLAN driver for RTL8188EU

Info: Taken from Realtek version RTL8188EUS_linux_v4.1.4_6773.20130222

File: rtlwifi/rtl8188eufw.bin

Licence: Redistributable. See LICENCE.rtlwifi_firmware.txt for details.

Driver: rtl8821ae - Realtek 802.11n WLAN driver for RTL8812AE

Info: From Vendor's realtek/rtlwifi_linux_mac80211_0019.0320.2014V628 driver

File: rtlwifi/rtl8812aefw.bin

File: rtlwifi/rtl8812aefw_wowlan.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

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

File: rtw88/rtw8822b_fw.bin

File: rtw88/rtw8822c_fw.bin

File: rtw88/rtw8822c_wow_fw.bin

File: rtw88/README

File: rtw88/rtw8723d_fw.bin

File: rtw88/rtw8821c_fw.bin

Licence: Redistributable. See LICENCE.rtlwifi_firmware.txt for details.

These firmware should be put under /lib/firmware/rtw88/

And note that the rtw88 driver is able to support wake-on-wireless LAN for RTL8822C devices, after kernel v5.6+. So, make sure the firmware rtw88/rtw8822c_wow_fw.bin is also packed, otherwise the firmware load fail could be a problem.

Although RTL8723D devices are 802.11n device, they are also supported by rtw88 because the hardware arch is similar.

Driver: rtw89 - Realtek 802.11ax WLAN driver for RTL8852A

File: rtw89/rtw8852a_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.

Same firmware rtl8192eu_nic.bin so just link them

Link: rtlwifi/rtl8192eefw.bin -> rtl8192eu_nic.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

Link: rtlwifi/rtl8723bs_nic.bin -> rtl8723bu_nic.bin

Link: rtlwifi/rtl8723bs_ap_wowlan.bin -> rtl8723bu_ap_wowlan.bin

Link: rtlwifi/rtl8723bs_wowlan.bin -> rtl8723bu_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/rtl8168fp-3.fw
Version: 0.0.1

File: rtl_nic/rtl8107e-1.fw
Version: 0.0.2

File: rtl_nic/rtl8107e-2.fw
Version: 0.0.2

File: rtl_nic/rtl8125a-3.fw
Version: 0.0.1

File: rtl_nic/rtl8125b-1.fw
Version: 0.0.2

File: rtl_nic/rtl8125b-2.fw
Version: 0.0.2

Licence:

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* notice is accompanying it.

Driver: r8152 - Realtek RTL8152/RTL8153 Based USB Ethernet Adapters

File: rtl_nic/rtl8153a-2.fw
File: rtl_nic/rtl8153a-3.fw
File: rtl_nic/rtl8153a-4.fw
File: rtl_nic/rtl8153b-2.fw
File: rtl_nic/rtl8153c-1.fw
File: rtl_nic/rtl8156a-2.fw
File: rtl_nic/rtl8156b-2.fw

Licence: Redistributable. See LICENCE.rtlwifi_firmware.txt for details.

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 LICENSE.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: 10.2.4-1.0-00047

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: WLAN.RM.4.4.1-00157-QCARMSWPZ-1

Licence: ath10k/QCA6174/hw3.0/notice_ath10k_firmware-6.txt

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

Version: WLAN.RMH.4.4.1-00077

Licence: ath10k/QCA6174/hw3.0/notice_ath10k_firmware-sdio-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/QCA9377/hw1.0/firmware-sdio-5.bin

Version: WLAN.TF.1.1.1-00061-QCATFSWPZ-1

Licence: ath10k/QCA9377/hw1.0/notice_ath10k_firmware-sdio-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: 10.2.4-1.0-00047

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: 10.4-3.9.0.2-00131

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: 10.4-3.9.0.2-00131
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
File: ath10k/WCN3990/hw1.0/firmware-5.bin
File: ath10k/WCN3990/hw1.0/wlanmdsp.mbn
Link: qcom/sdm845/wlanmdsp.mbn -> ../../ath10k/WCN3990/hw1.0/wlanmdsp.mbn
Version: WLAN.HL.2.0-01387-QCAHLSWMTPLZ-1
Licence: ath10k/WCN3990/hw1.0/notice.txt_wlanmdsp

Licence: Redistributable. See LICENSE.QualcommAtheros_ath10k for details

Driver: ath11k - Qualcomm Technologies 802.11ax chipset support

File: ath11k/IPQ6018/hw1.0/board-2.bin
File: ath11k/IPQ6018/hw1.0/m3_fw.b00
File: ath11k/IPQ6018/hw1.0/m3_fw.b01
File: ath11k/IPQ6018/hw1.0/m3_fw.b02
File: ath11k/IPQ6018/hw1.0/m3_fw.flist
File: ath11k/IPQ6018/hw1.0/m3_fw.mdt
File: ath11k/IPQ6018/hw1.0/q6_fw.b00
File: ath11k/IPQ6018/hw1.0/q6_fw.b01
File: ath11k/IPQ6018/hw1.0/q6_fw.b02
File: ath11k/IPQ6018/hw1.0/q6_fw.b03
File: ath11k/IPQ6018/hw1.0/q6_fw.b04
File: ath11k/IPQ6018/hw1.0/q6_fw.b05
File: ath11k/IPQ6018/hw1.0/q6_fw.b07
File: ath11k/IPQ6018/hw1.0/q6_fw.b08
File: ath11k/IPQ6018/hw1.0/q6_fw.flist
File: ath11k/IPQ6018/hw1.0/q6_fw.mdt
Version: WLAN.HK.2.1.0.1-01238-QCAHKSUPL_SILICONZ-2
Licence: ath11k/IPQ6018/hw1.0/Notice.txt
File: ath11k/IPQ8074/hw2.0/board-2.bin
File: ath11k/IPQ8074/hw2.0/m3_fw.b00
File: ath11k/IPQ8074/hw2.0/m3_fw.b01
File: ath11k/IPQ8074/hw2.0/m3_fw.b02
File: ath11k/IPQ8074/hw2.0/m3_fw.flist
File: ath11k/IPQ8074/hw2.0/m3_fw.mdt
File: ath11k/IPQ8074/hw2.0/q6_fw.b00
File: ath11k/IPQ8074/hw2.0/q6_fw.b01
File: ath11k/IPQ8074/hw2.0/q6_fw.b02
File: ath11k/IPQ8074/hw2.0/q6_fw.b03
File: ath11k/IPQ8074/hw2.0/q6_fw.b04
File: ath11k/IPQ8074/hw2.0/q6_fw.b05
File: ath11k/IPQ8074/hw2.0/q6_fw.b07
File: ath11k/IPQ8074/hw2.0/q6_fw.b08
File: ath11k/IPQ8074/hw2.0/q6_fw.flist
File: ath11k/IPQ8074/hw2.0/q6_fw.mdt
Version: WLAN.HK.2.1.0.1-01238-QCAHKSUPL_SILICONZ-2

Licence: ath11k/IPQ8074/hw2.0/Notice.txt
File: ath11k/QCA6390/hw2.0/board-2.bin
File: ath11k/QCA6390/hw2.0/amss.bin
File: ath11k/QCA6390/hw2.0/m3.bin
Version: WLAN.HST.1.0.1-01740-QCAHSTSWPLZ_V2_TO_X86-1
Licence: ath11k/QCA6390/hw2.0/Notice.txt

Licence: Redistributable. See LICENSE.QualcommAtheros_ath10k for details

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

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 LICENSE.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_66_1167
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_REL1236
File: intel/ibt-12-16.sfi
Version: BT_WindStormPeak_REL1236
File: intel/ibt-17-16-1.sfi
Version: BT_JeffersonPeak_B0_B0_REL20028
File: intel/ibt-17-16-1.ddc
Version: BT_JeffersonPeak_B0_B0_REL20028
File: intel/ibt-17-2.sfi
Version: BT_JeffersonPeak_B0_B0_REL20028
File: intel/ibt-17-2.ddc
Version: BT_JeffersonPeak_B0_B0_REL20028
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_REL20028
File: intel/ibt-18-16-1.ddc
Version: BT_ThunderPeak_B0_B0_REL20028
File: intel/ibt-18-2.sfi
Version: BT_ThunderPeak_B0_B0_REL20028
File: intel/ibt-18-2.ddc
Version: BT_ThunderPeak_B0_B0_REL20028
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_REL34713
File: intel/ibt-20-0-3.ddc
Version: BT_CyclonePeak_A0_REL34713
File: intel/ibt-20-1-3.sfi
Version: BT_CyclonePeak_A0_REL34713
File: intel/ibt-20-1-3.ddc
Version: BT_CyclonePeak_A0_REL34713
File: intel/ibt-20-1-4.sfi
Version: BT_CyclonePeak_A0_REL34713
File: intel/ibt-20-1-4.ddc
Version: BT_CyclonePeak_A0_REL34713

File:intel/ibt-19-0-0.sfi
Version: BT_Quasar_REL34173
File:intel/ibt-19-0-0.ddc
Version: BT_Quasar_REL34173
File:intel/ibt-19-0-1.sfi
Version: BT_Quasar_REL34173
File:intel/ibt-19-0-1.ddc
Version: BT_Quasar_REL34173
File:intel/ibt-19-0-4.sfi
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-0-4.ddc
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-16-4.sfi
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-16-4.ddc
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-32-1.sfi
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-32-1.ddc
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-32-0.sfi
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-32-0.ddc
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-32-4.sfi
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-32-4.ddc
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-240-1.sfi
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-240-1.ddc
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-240-4.sfi
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-19-240-4.ddc
Version: BT_HarrisonPeak_REL34713
File:intel/ibt-0041-0041.sfi
Version: BT_TyphoonPeak_REL34345
File:intel/ibt-0041-0041.ddc
Version: BT_TyphoonPeak_REL34345
File:intel/ibt-0040-0041.sfi
Version: BT_Solar_GfP2_REL34345
File:intel/ibt-0040-0041.ddc
Version: BT_Solar_GfP2_REL34345
File:intel/ibt-1040-0041.sfi
Version: BT_SolarF_GfP2_REL34345
File:intel/ibt-1040-0041.ddc
Version: BT_SolarF_GfP2_REL34345

File:intel/ibt-0040-1020.sfi
Version: BT_Solar_JfP1_REL34345
File:intel/ibt-0040-1020.ddc
Version: BT_Solar_JfP1_REL34345
File:intel/ibt-1040-1020.sfi

Version: BT_SolarF_JfP1_REL34345
File:intel/ibt-1040-1020.ddc
Version: BT_SolarF_JfP1_REL34345

File:intel/ibt-0040-2120.sfi
Version: BT_Solar_JfP2_REL34345
File:intel/ibt-0040-2120.ddc
Version: BT_Solar_JfP2_REL34345
File:intel/ibt-1040-2120.sfi
Version: BT_SolarF_JfP2_REL34345
File:intel/ibt-1040-2120.ddc
Version: BT_SolarF_JfP2_REL34345

File:intel/ibt-0040-4150.sfi
Version: BT_Solar_HrP2_REL34345
File:intel/ibt-0040-4150.ddc
Version: BT_Solar_HrP2_REL34345
File:intel/ibt-1040-4150.sfi
Version: BT_SolarF_HrP2_REL34345
File:intel/ibt-1040-4150.ddc
Version: BT_SolarF_HrP2_REL34345

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
Link: rtl_bt/rtl8723bs_config-OBDA0623.bin -> rtl8723bs_config-OBDA8723.bin
File: rtl_bt/rtl8761a_fw.bin
File: rtl_bt/rtl8761b_fw.bin
File: rtl_bt/rtl8761b_config.bin
File: rtl_bt/rtl8761bu_fw.bin
File: rtl_bt/rtl8761bu_config.bin
File: rtl_bt/rtl8812ae_fw.bin
File: rtl_bt/rtl8821a_fw.bin
Link: rtl_bt/rtl8821a_config.bin -> rtl8821c_config.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
File: rtl_bt/rtl8822cu_config.bin
File: rtl_bt/rtl8822cs_fw.bin
File: rtl_bt/rtl8822cs_config.bin
File: rtl_bt/rtl8852au_fw.bin
File: rtl_bt/rtl8852au_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

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.

updated on October 23, 2019

File rtl_bt/rtl8822cu_config.bin came directly from Realtek.

Found in vendor driver, 20200806_LINUX_BT_DRIVER_RTL8761B_COEX_v0202.zip

File rtl_bt/rtl8761b_fw.bin

File rtl_bt/rtl8761b_config.bin

File rtl_bt/rtl8761bu_fw.bin

File rtl_bt/rtl8761bu_config.bin

Driver: btmtnk_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

Driver: ccp - Platform Security Processor (PSP) device

File: amd/amd_sev_fam17h_model0xh.sbin
Version: 2021-9-10
File: amd/amd_sev_fam17h_model3xh.sbin
Version: 2021-9-10
File: amd/amd_sev_fam19h_model0xh.sbin
Version: 2021-9-10

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: 2019-12-18
File: amd-ucode/microcode_amd_fam19h.bin
Version: 2021-11-15

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

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

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

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

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

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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

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 -> dsp_fw_release_v3402.bin

License: Redistributable. See LICENCE.adsp_sst for details

File: intel/dsp_fw_bxt_v2219.bin

Version: 9.22.01.2219_64

File: intel/dsp_fw_bxt_v3366.bin

Version: 9.22.01.3366_157

Link: intel/dsp_fw_bxt_v3366.bin -> dsp_fw_bxt_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

Link: intel/dsp_fw_cnl.bin -> dsp_fw_cnl_v1858.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

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: v50.24

File: nvidia/tegra186/xusb.bin

Version: v55.15

File: nvidia/tegra194/xusb.bin

Version: v60.06

Licence: Redistributable. See LICENCE.nvidia for details

Driver: tegra-vic -- NVIDIA Tegra VIC driver

File: nvidia/tegra124/vic03_ucose.bin

Link: nvidia/tegra124/vic.bin -> vic03_ucose.bin

File: nvidia/tegra210/vic04_ucose.bin

Link: nvidia/tegra210/vic.bin -> vic04_ucose.bin

File: nvidia/tegra186/vic04_ucose.bin

Link: nvidia/tegra186/vic.bin -> vic04_ucose.bin

File: nvidia/tegra194/vic.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: btqca - 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/nvm_00230302.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/rampatch_00230302.bin
File: qca/nvm_00440302.bin
File: qca/rampatch_00440302.bin
File: qca/nvm_00440302_eu.bin
File: qca/nvm_00440302_i2s_eu.bin
File: qca/nvm_usb_00000302_eu.bin
File: qca/htbtfw20.tlv
File: qca/htnv20.bin
File: qca/rampatch_usb_00130200.bin
File: qca/nvm_usb_00130200.bin
File: qca/nvm_usb_00130200_0104.bin
File: qca/nvm_usb_00130200_0105.bin
File: qca/nvm_usb_00130200_0106.bin
File: qca/nvm_usb_00130200_0107.bin
File: qca/nvm_usb_00130200_0109.bin
File: qca/nvm_usb_00130200_0110.bin
File: qca/rampatch_usb_00130201.bin
File: qca/nvm_usb_00130201.bin
File: qca/nvm_usb_00130201_010a.bin

Licence: Redistributable. See LICENSE.QualcommAtheros_ath10k and qca/NOTICE.txt for details

Driver: qca - Qualcomm Atheros Bluetooth support for WCN399x chips

File: qca/crbtfw21.tlv
File: qca/crnv21.bin
File: qca/crbtfw32.tlv
File: qca/crnv32.bin
File: qca/crnv32u.bin

Driver: qca - Qualcomm Atheros Bluetooth support for WCN6750 chips

File: qca/msbtfw11.mbn
File: qca/msbtfw11.tlv
File: qca/msnv11.bin

Licence: Redistributable. See LICENSE.QualcommAtheros_ath10k and qca/NOTICE.txt for details

Driver: liquidio -- Cavium LiquidIO driver

File: liquidio/lio_23xx_nic.bin
Version: v1.7.2

File: liquidio/lio_23xx_vsw.bin
Version: v1.7.2

File: liquidio/lio_210nv_nic.bin
Version: v1.7.2

File: liquidio/lio_210sv_nic.bin

Version: v1.7.2

File: liquidio/lio_410nv_nic.bin

Version: v1.7.2

Licence: Redistributable. See LICENCE.cavium_liquidio for details

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

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

Link: i915/skl_dmc_ver1.bin -> skl_dmc_ver1_26.bin

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

File: i915/bxt_dmc_ver1_07.bin

Link: i915/bxt_dmc_ver1.bin -> bxt_dmc_ver1_07.bin

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

File: i915/kbl_dmc_ver1_01.bin

Link: i915/kbl_dmc_ver1.bin -> kbl_dmc_ver1_01.bin

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

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

Link: i915/skl_guc_ver6.bin -> skl_guc_ver6_1.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_guc_49.0.1.bin
Version: Guc API/ABI ver 49 - release 0 for Skylake

File: i915/skl_guc_62.0.0.bin
Version: GuC API/APB ver 62.0.0 for Skylake

File: i915/skl_huc_ver01_07_1398.bin
Version: HuC API/ABI ver 1 - release 7 for Skylake

File: i915/skl_huc_2.0.0.bin
Version: HuC API/ABI ver 2 - release 0 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/bxt_huc_2.0.0.bin
Version: HuC API/APB ver 2 - release 0 for Broxton

File: i915/kbl_huc_ver02_00_1810.bin
Version: HuC API/APB ver 2 - for Kabylake

File: i915/kbl_huc_4.0.0.bin
Version: HuC API/APB ver 4 - 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/bxt_guc_49.0.1.bin
Version: Guc API/APB ver 49 - release 0 for Broxton

File: i915/bxt_guc_62.0.0.bin
Version: GuC API/APB ver 62.0.0 for Broxton

File: i915/kbl_guc_ver9_14.bin
Version: Guc API/APB ver 9 release 14 for Kabylake

File: i915/cml_guc_33.0.0.bin

Version: Guc API/APB ver 33 release 0 for Comet Lake

File: i915/cml_guc_49.0.1.bin

Version: Guc API/APB ver 49 release 0 for Comet Lake

File: i915/cml_guc_62.0.0.bin

Version: GuC API/APB ver 62.0.0 for Comet Lake

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/kbl_guc_49.0.1.bin

Version: Guc API/APB ver 49 release 0 for Kabylake

File: i915/kbl_guc_62.0.0.bin

Version: GuC API/APB ver 62.0.0 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_guc_49.0.1.bin

Version: Guc API/APB ver 49 release 0 for Geminilake

File: i915/glk_guc_62.0.0.bin

Version: GuC API/APB ver 62.0.0 for Geminilake

File: i915/glk_huc_ver03_01_2893.bin

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

File: i915/glk_huc_4.0.0.bin

Version: Huc API/APB ver 4 release 0 for Geminilake

File: i915/glk_dmc_ver1_04.bin

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

File: i915/cml_huc_4.0.0.bin

Version: HuC API/ABI ver 4 - release 0 for Cometlake

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_dmc_ver1_09.bin

Version: DMC API/ABI ver 1 - release 09 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_guc_49.0.1.bin

Version: Guc API/APB ver 49 release 0 for Icelake

File: i915/icl_guc_62.0.0.bin

Version: GuC API/APB ver 62.0.0 for Icelake

File: i915/icl_huc_ver8_4_3238.bin

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

File: i915/tgl_dmc_ver2_04.bin

Version: DMC API/APB ver 2 release 4 for Tigerlake

File: i915/tgl_dmc_ver2_06.bin

Version: DMC API/APB ver 2 release 6 for Tigerlake

File: i915/tgl_dmc_ver2_08.bin

Version: DMC API/APB ver 2 release 8 for Tigerlake

File: i915/tgl_dmc_ver2_12.bin

Version: DMC API/APB ver 2 release 12 for Tigerlake

File: i915/icl_huc_9.0.0.bin

Version: Huc API/APB ver 9 release 0 for Icelake

File: i915/ehl_guc_33.0.4.bin

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

File: i915/ehl_guc_49.0.1.bin

Version: Guc API/APB ver 49 release 0 for Elkhartlake

File: i915/ehl_guc_62.0.0.bin

Version: GuC API/APB ver 62.0.0 for Elkhartlake

File: i915/ehl_huc_9.0.0.bin

Version: Huc API/APB ver 9 release 0 for Elkhartlake

File: i915/tgl_guc_35.2.0.bin

Version: Guc API/APB ver 35 release 2 for Tigerlake

File: i915/tgl_guc_49.0.1.bin

Version: Guc API/APB ver 49 release 0 for Tigerlake

File: i915/tgl_guc_62.0.0.bin

Version: GuC API/APB ver 62.0.0 for Tigerlake

File: i915/tgl_huc_7.0.3.bin

Version: Huc API/APB ver 7 release 0 for Tigerlake

File: i915/tgl_huc_7.0.12.bin

Version: Huc API/APB ver 7 release 0 for Tigerlake

File: i915/tgl_huc_7.5.0.bin

Version: Huc API/APB ver 7 release 5 for Tigerlake

File: i915/tgl_huc_7.9.3.bin

Version: HuC API/APB ver 7.9.3 for Tigerlake

File: i915/rkl_dmc_ver2_02.bin

Version: DMC API/APB ver 2 release 2 for Rocketlake

File: i915/rkl_dmc_ver2_03.bin

Version: DMC API/APB ver 2 release 3 for Rocketlake

File: i915/dg1_dmc_ver2_02.bin

Version: DMC API/APB ver 2 release 2 for DG1

File: i915/dg1_guc_49.0.1.bin

Version: Guc API/APB ver 49 release 0 for DG1

File: i915/dg1_guc_62.0.0.bin

Version: GuC API/APB ver 62.0.0 for DG1

File: i915/dg1_huc_7.7.1.bin

Version: Huc API/APB ver 7 release 1 for DG1

File: i915/dg1_huc_7.9.3.bin

Version: HuC API/APB ver 7.9.3 for DG1

File: i915/adls_dmc_ver2_01.bin

Version: DMC API/APB ver 2 release 1 for Alderlake S

File: i915/adlp_dmc_ver2_09.bin

Version: DMC API/APB ver 2 release 9 for Alderlake P

File: i915/adlp_dmc_ver2_10.bin

Version: DMC API/APB ver 2 release 10 for Alderlake P

File: i915/adlp_dmc_ver2_12.bin

Version: DMC API/APB ver 2 release 12 for Alderlake P

File: i915/adlp_dmc_ver2_14.bin

Version: DMC API/APB ver 2 release 14 for Alderlake P

File: i915/adlp_guc_62.0.3.bin

Version: GuC API/APB ver 62.0.3 for Alderlake P

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
Link: nvidia/gm204/acr/bl.bin -> ../gm200/acr/bl.bin
Link: nvidia/gm204/acr/ucode_load.bin -> ../gm200/acr/ucode_load.bin
Link: nvidia/gm204/acr/ucode_unload.bin -> ../gm200/acr/ucode_unload.bin
Link: nvidia/gm204/gr/fecs_bl.bin -> ../gm200/gr/fecs_bl.bin
File: nvidia/gm204/gr/fecs_data.bin
Link: nvidia/gm204/gr/fecs_inst.bin -> ../gm200/gr/fecs_inst.bin
File: nvidia/gm204/gr/fecs_sig.bin
Link: nvidia/gm204/gr/gpccs_bl.bin -> ../gm200/gr/gpccs_bl.bin
File: nvidia/gm204/gr/gpccs_data.bin
Link: nvidia/gm204/gr/gpccs_inst.bin -> ../gm200/gr/gpccs_inst.bin
File: nvidia/gm204/gr/gpccs_sig.bin
Link: nvidia/gm204/gr/sw_bundle_init.bin -> ../gm200/gr/sw_bundle_init.bin
Link: nvidia/gm204/gr/sw_ctx.bin -> ../gm200/gr/sw_ctx.bin
Link: nvidia/gm204/gr/sw_method_init.bin -> ../gm200/gr/sw_method_init.bin
Link: nvidia/gm204/gr/sw_nonctx.bin -> ../gm200/gr/sw_nonctx.bin
Link: nvidia/gm206/acr/bl.bin -> ../gm200/acr/bl.bin
File: nvidia/gm206/acr/ucode_load.bin
File: nvidia/gm206/acr/ucode_unload.bin
Link: nvidia/gm206/gr/fecs_bl.bin -> ../gm200/gr/fecs_bl.bin
File: nvidia/gm206/gr/fecs_data.bin
Link: nvidia/gm206/gr/fecs_inst.bin -> ../gm200/gr/fecs_inst.bin
File: nvidia/gm206/gr/fecs_sig.bin
Link: nvidia/gm206/gr/gpccs_bl.bin -> ../gm200/gr/gpccs_bl.bin
File: nvidia/gm206/gr/gpccs_data.bin
Link: nvidia/gm206/gr/gpccs_inst.bin -> ../gm200/gr/gpccs_inst.bin
File: nvidia/gm206/gr/gpccs_sig.bin

Link: nvidia/gm206/gr/sw_bundle_init.bin -> ../../gm200/gr/sw_bundle_init.bin
Link: nvidia/gm206/gr/sw_ctx.bin -> ../../gm200/gr/sw_ctx.bin
Link: nvidia/gm206/gr/sw_method_init.bin -> ../../gm200/gr/sw_method_init.bin
Link: nvidia/gm206/gr/sw_nonctx.bin -> ../../gm200/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
Link: nvidia/gm20b/gr/sw_method_init.bin -> ../../gm200/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
Link: nvidia/gp100/gr/fecs_bl.bin -> ../../gm200/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
Link: nvidia/gp100/gr/gpccs_bl.bin -> ../../gm200/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
Link: nvidia/gp102/gr/fecs_bl.bin -> ../../gm200/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
Link: nvidia/gp102/gr/gpccs_bl.bin -> ../../gm200/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/gp102/sec2/desc-1.bin
File: nvidia/gp102/sec2/image-1.bin
File: nvidia/gp102/sec2/sig-1.bin
Link: nvidia/gp104/acr/bl.bin -> ../../gp102/acr/bl.bin
Link: nvidia/gp104/acr/ucode_load.bin -> ../../gp102/acr/ucode_load.bin
Link: nvidia/gp104/acr/ucode_unload.bin -> ../../gp102/acr/ucode_unload.bin
Link: nvidia/gp104/acr/unload_bl.bin -> ../../gp102/acr/unload_bl.bin
Link: nvidia/gp104/gr/fecs_bl.bin -> ../../gp102/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
Link: nvidia/gp104/gr/gpccs_bl.bin -> ../../gp102/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
Link: nvidia/gp104/gr/sw_bundle_init.bin -> ../../gp102/gr/sw_bundle_init.bin
Link: nvidia/gp104/gr/sw_ctx.bin -> ../../gp102/gr/sw_ctx.bin
Link: nvidia/gp104/gr/sw_method_init.bin -> ../../gp102/gr/sw_method_init.bin
Link: nvidia/gp104/gr/sw_nonctx.bin -> ../../gp102/gr/sw_nonctx.bin
Link: nvidia/gp104/nvdec/scrubber.bin -> ../../gp102/nvdec/scrubber.bin
Link: nvidia/gp104/sec2/desc.bin -> ../../gp102/sec2/desc.bin
Link: nvidia/gp104/sec2/image.bin -> ../../gp102/sec2/image.bin
Link: nvidia/gp104/sec2/sig.bin -> ../../gp102/sec2/sig.bin
Link: nvidia/gp104/sec2/desc-1.bin -> ../../gp102/sec2/desc-1.bin
Link: nvidia/gp104/sec2/image-1.bin -> ../../gp102/sec2/image-1.bin
Link: nvidia/gp104/sec2/sig-1.bin -> ../../gp102/sec2/sig-1.bin
Link: nvidia/gp106/acr/bl.bin -> ../../gp102/acr/bl.bin
Link: nvidia/gp106/acr/ucode_load.bin -> ../../gp102/acr/ucode_load.bin
Link: nvidia/gp106/acr/ucode_unload.bin -> ../../gp102/acr/ucode_unload.bin
Link: nvidia/gp106/acr/unload_bl.bin -> ../../gp102/acr/unload_bl.bin
Link: nvidia/gp106/gr/fecs_bl.bin -> ../../gp102/gr/fecs_bl.bin
File: nvidia/gp106/gr/fecs_data.bin
Link: nvidia/gp106/gr/fecs_inst.bin -> ../../gp102/gr/fecs_inst.bin
File: nvidia/gp106/gr/fecs_sig.bin
Link: nvidia/gp106/gr/gpccs_bl.bin -> ../../gp102/gr/gpccs_bl.bin
File: nvidia/gp106/gr/gpccs_data.bin
Link: nvidia/gp106/gr/gpccs_inst.bin -> ../../gp102/gr/gpccs_inst.bin
File: nvidia/gp106/gr/gpccs_sig.bin
Link: nvidia/gp106/gr/sw_bundle_init.bin -> ../../gp102/gr/sw_bundle_init.bin
Link: nvidia/gp106/gr/sw_ctx.bin -> ../../gp102/gr/sw_ctx.bin
Link: nvidia/gp106/gr/sw_method_init.bin -> ../../gp102/gr/sw_method_init.bin
Link: nvidia/gp106/gr/sw_nonctx.bin -> ../../gp102/gr/sw_nonctx.bin
Link: nvidia/gp106/nvdec/scrubber.bin -> ../../gp102/nvdec/scrubber.bin
Link: nvidia/gp106/sec2/desc.bin -> ../../gp102/sec2/desc.bin
Link: nvidia/gp106/sec2/image.bin -> ../../gp102/sec2/image.bin
Link: nvidia/gp106/sec2/sig.bin -> ../../gp102/sec2/sig.bin
Link: nvidia/gp106/sec2/desc-1.bin -> ../../gp102/sec2/desc-1.bin
Link: nvidia/gp106/sec2/image-1.bin -> ../../gp102/sec2/image-1.bin
Link: nvidia/gp106/sec2/sig-1.bin -> ../../gp102/sec2/sig-1.bin
Link: nvidia/gp107/acr/bl.bin -> ../../gp102/acr/bl.bin
Link: nvidia/gp107/acr/ucode_load.bin -> ../../gp102/acr/ucode_load.bin
Link: nvidia/gp107/acr/ucode_unload.bin -> ../../gp102/acr/ucode_unload.bin
Link: nvidia/gp107/acr/unload_bl.bin -> ../../gp102/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
Link: nvidia/gp107/gr/sw_bundle_init.bin -> ../../gp102/gr/sw_bundle_init.bin
File: nvidia/gp107/gr/sw_ctx.bin
Link: nvidia/gp107/gr/sw_method_init.bin -> ../../gp102/gr/sw_method_init.bin
File: nvidia/gp107/gr/sw_nonctx.bin
Link: nvidia/gp107/nvdec/scrubber.bin -> ../../gp102/nvdec/scrubber.bin
Link: nvidia/gp107/sec2/desc.bin -> ../../gp102/sec2/desc.bin
Link: nvidia/gp107/sec2/image.bin -> ../../gp102/sec2/image.bin
Link: nvidia/gp107/sec2/sig.bin -> ../../gp102/sec2/sig.bin
Link: nvidia/gp107/sec2/desc-1.bin -> ../../gp102/sec2/desc-1.bin
Link: nvidia/gp107/sec2/image-1.bin -> ../../gp102/sec2/image-1.bin
Link: nvidia/gp107/sec2/sig-1.bin -> ../../gp102/sec2/sig-1.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
Link: nvidia/gp108/acr/bl.bin -> ../../gp102/acr/bl.bin
Link: nvidia/gp108/acr/ucode_load.bin -> ../../gp102/acr/ucode_load.bin
Link: nvidia/gp108/acr/ucode_unload.bin -> ../../gp102/acr/ucode_unload.bin
Link: nvidia/gp108/acr/unload_bl.bin -> ../../gp102/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
Link: nvidia/gp108/nvdec/scrubber.bin -> ../../gp102/nvdec/scrubber.bin
Link: nvidia/gp108/sec2/desc.bin -> ../../gp102/sec2/desc-1.bin
Link: nvidia/gp108/sec2/image.bin -> ../../gp102/sec2/image-1.bin

Link: nvidia/gp108/sec2/sig.bin -> ../../gp102/sec2/sig-1.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/tu102/acr/bl.bin

File: nvidia/tu102/acr/ucode_ahesasc.bin

File: nvidia/tu102/acr/ucode_asb.bin

File: nvidia/tu102/acr/unload_bl.bin

File: nvidia/tu102/acr/ucode_unload.bin

File: nvidia/tu102/gr/fecs_bl.bin

File: nvidia/tu102/gr/fecs_data.bin

File: nvidia/tu102/gr/fecs_inst.bin

File: nvidia/tu102/gr/fecs_sig.bin

File: nvidia/tu102/gr/gpccs_bl.bin

File: nvidia/tu102/gr/gpccs_data.bin

File: nvidia/tu102/gr/gpccs_inst.bin

File: nvidia/tu102/gr/gpccs_sig.bin

File: nvidia/tu102/gr/sw_bundle_init.bin

File: nvidia/tu102/gr/sw_ctx.bin

File: nvidia/tu102/gr/sw_method_init.bin

File: nvidia/tu102/gr/sw_nonctx.bin

File: nvidia/tu102/gr/sw_veid_bundle_init.bin

File: nvidia/tu102/nvdec/scrubber.bin

File: nvidia/tu102/sec2/desc.bin

File: nvidia/tu102/sec2/image.bin

File: nvidia/tu102/sec2/sig.bin

Link: nvidia/tu104/acr/bl.bin -> ../../tu102/acr/bl.bin

Link: nvidia/tu104/acr/ucode_ahesasc.bin -> ../../tu102/acr/ucode_ahesasc.bin

Link: nvidia/tu104/acr/ucode_asb.bin -> ../../tu102/acr/ucode_asb.bin

Link: nvidia/tu104/acr/unload_bl.bin -> ../../tu102/acr/unload_bl.bin

Link: nvidia/tu104/acr/ucode_unload.bin -> ../../tu102/acr/ucode_unload.bin

Link: nvidia/tu104/gr/fecs_bl.bin -> ../../tu102/gr/fecs_bl.bin

File: nvidia/tu104/gr/fecs_data.bin

File: nvidia/tu104/gr/fecs_inst.bin

File: nvidia/tu104/gr/fecs_sig.bin

Link: nvidia/tu104/gr/gpccs_bl.bin -> ../../tu102/gr/gpccs_bl.bin

File: nvidia/tu104/gr/gpccs_data.bin

File: nvidia/tu104/gr/gpccs_inst.bin
File: nvidia/tu104/gr/gpccs_sig.bin
File: nvidia/tu104/gr/sw_bundle_init.bin
File: nvidia/tu104/gr/sw_ctx.bin
File: nvidia/tu104/gr/sw_method_init.bin
File: nvidia/tu104/gr/sw_nonctx.bin
File: nvidia/tu104/gr/sw_veid_bundle_init.bin
Link: nvidia/tu104/nvdec/scrubber.bin -> ../../tu102/nvdec/scrubber.bin
Link: nvidia/tu104/sec2/desc.bin -> ../../tu102/sec2/desc.bin
Link: nvidia/tu104/sec2/image.bin -> ../../tu102/sec2/image.bin
Link: nvidia/tu104/sec2/sig.bin -> ../../tu102/sec2/sig.bin
Link: nvidia/tu106/acr/bl.bin -> ../../tu102/acr/bl.bin
Link: nvidia/tu106/acr/ucode_ahesasc.bin -> ../../tu102/acr/ucode_ahesasc.bin
Link: nvidia/tu106/acr/ucode_asb.bin -> ../../tu102/acr/ucode_asb.bin
Link: nvidia/tu106/acr/unload_bl.bin -> ../../tu102/acr/unload_bl.bin
Link: nvidia/tu106/acr/ucode_unload.bin -> ../../tu102/acr/ucode_unload.bin
Link: nvidia/tu106/gr/fecs_bl.bin -> ../../tu102/gr/fecs_bl.bin
File: nvidia/tu106/gr/fecs_data.bin
File: nvidia/tu106/gr/fecs_inst.bin
File: nvidia/tu106/gr/fecs_sig.bin
Link: nvidia/tu106/gr/gpccs_bl.bin -> ../../tu102/gr/gpccs_bl.bin
File: nvidia/tu106/gr/gpccs_data.bin
File: nvidia/tu106/gr/gpccs_inst.bin
File: nvidia/tu106/gr/gpccs_sig.bin
File: nvidia/tu106/gr/sw_bundle_init.bin
File: nvidia/tu106/gr/sw_ctx.bin
File: nvidia/tu106/gr/sw_method_init.bin
File: nvidia/tu106/gr/sw_nonctx.bin
File: nvidia/tu106/gr/sw_veid_bundle_init.bin
Link: nvidia/tu106/nvdec/scrubber.bin -> ../../tu102/nvdec/scrubber.bin
Link: nvidia/tu106/sec2/desc.bin -> ../../tu102/sec2/desc.bin
Link: nvidia/tu106/sec2/image.bin -> ../../tu102/sec2/image.bin
Link: nvidia/tu106/sec2/sig.bin -> ../../tu102/sec2/sig.bin
File: nvidia/tu116/acr/bl.bin
File: nvidia/tu116/acr/ucode_ahesasc.bin
File: nvidia/tu116/acr/ucode_asb.bin
File: nvidia/tu116/acr/ucode_unload.bin
File: nvidia/tu116/acr/unload_bl.bin
File: nvidia/tu116/gr/fecs_bl.bin
File: nvidia/tu116/gr/fecs_data.bin
File: nvidia/tu116/gr/fecs_inst.bin
File: nvidia/tu116/gr/fecs_sig.bin
File: nvidia/tu116/gr/gpccs_bl.bin
File: nvidia/tu116/gr/gpccs_data.bin
File: nvidia/tu116/gr/gpccs_inst.bin
File: nvidia/tu116/gr/gpccs_sig.bin
File: nvidia/tu116/gr/sw_bundle_init.bin
File: nvidia/tu116/gr/sw_ctx.bin
File: nvidia/tu116/gr/sw_method_init.bin
File: nvidia/tu116/gr/sw_nonctx.bin
File: nvidia/tu116/gr/sw_veid_bundle_init.bin
File: nvidia/tu116/nvdec/scrubber.bin
File: nvidia/tu116/sec2/desc.bin
File: nvidia/tu116/sec2/image.bin

File: nvidia/tu116/sec2/sig.bin
Link: nvidia/tu117/acr/bl.bin -> ../../tu116/acr/bl.bin
Link: nvidia/tu117/acr/ucode_ahesasc.bin -> ../../tu116/acr/ucode_ahesasc.bin
Link: nvidia/tu117/acr/ucode_asb.bin -> ../../tu116/acr/ucode_asb.bin
Link: nvidia/tu117/acr/ucode_unload.bin -> ../../tu116/acr/ucode_unload.bin
Link: nvidia/tu117/acr/unload_bl.bin -> ../../tu116/acr/unload_bl.bin
Link: nvidia/tu117/gr/fecs_bl.bin -> ../../tu116/gr/fecs_bl.bin
File: nvidia/tu117/gr/fecs_data.bin
File: nvidia/tu117/gr/fecs_inst.bin
File: nvidia/tu117/gr/fecs_sig.bin
Link: nvidia/tu117/gr/gpccs_bl.bin -> ../../tu116/gr/gpccs_bl.bin
File: nvidia/tu117/gr/gpccs_data.bin
File: nvidia/tu117/gr/gpccs_inst.bin
File: nvidia/tu117/gr/gpccs_sig.bin
File: nvidia/tu117/gr/sw_bundle_init.bin
File: nvidia/tu117/gr/sw_ctx.bin
File: nvidia/tu117/gr/sw_method_init.bin
File: nvidia/tu117/gr/sw_nonctx.bin
File: nvidia/tu117/gr/sw_veid_bundle_init.bin
Link: nvidia/tu117/nvdec/scrubber.bin -> ../../tu116/nvdec/scrubber.bin
Link: nvidia/tu117/sec2/desc.bin -> ../../tu116/sec2/desc.bin
Link: nvidia/tu117/sec2/image.bin -> ../../tu116/sec2/image.bin
Link: nvidia/tu117/sec2/sig.bin -> ../../tu116/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

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
File: atmel/wilc1000_wifi_firmware-1.bin
Version: 15.4

License: Redistributable. See LICENSE.atmel for details

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

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.

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.

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

File: mediatek/mt8173/vpu_d.bin

File: mediatek/mt8173/vpu_p.bin

Link: vpu_d.bin -> mediatek/mt8173/vpu_d.bin

Link: vpu_p.bin -> mediatek/mt8173/vpu_p.bin

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Driver: mtk_scp - Mediatek SCP System Control Processing Driver

File: mediatek/mt8183/scp.img

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Driver: btmtdk - MediaTek Bluetooth Driver

File: mediatek/mt7622pr2h.bin
Version: 20180621204904
File: mediatek/mt7668pr2h.bin
Version: 20180517181834
File: mediatek/mt7663pr2h.bin
Version: 7663e2ccn04-2006030247

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: 20200814

File: mediatek/mt7615_cr4.bin

Version: 20190114

File: mediatek/mt7615_rom_patch.bin

Version: 20190114

Licence: Redistributable. See LICENCE.mediatek for details.

Driver: mt7622 - MediaTek MT7622 Wireless MACs

File: mediatek/mt7622_n9.bin

Version: 20200131

File: mediatek/mt7622_rom_patch.bin

Version: 20190114

Licence: Redistributable. See LICENCE.mediatek for details.

Driver: mt7663 - MediaTek MT7663 Wireless MACs

File: mediatek/mt7663pr2h.bin

Version: 7663e2ccn04-2006030247

File: mediatek/mt7663_n9_v3.bin

Version: v3.1.1

File: mediatek/mt7663pr2h_rebb.bin

Version: 7663e2-1802-19091404338b809

File: mediatek/mt7663_n9_rebb.bin

Version: 7663mp1827-20190914043434

Licence: Redistributable. See LICENCE.mediatek for details.

Driver: mt7915e - MediaTek MT7915e Wireless MACs

File: mediatek/mt7915_wm.bin

Version: 20201105

File: mediatek/mt7915_wa.bin

Version: 20201105

File: mediatek/mt7915_rom_patch.bin

Version: 20201105

Licence: Redistributable. See LICENCE.mediatek for details.

Driver: mt7921 - MediaTek MT7921 Wireless MACs

File: mediatek/WIFI_MT7961_patch_mcu_1_2_hdr.bin

Version: 20211014150838a

File: mediatek/WIFI_RAM_CODE_MT7961_1.bin

Version: 20211014150922

Licence: Redistributable. See LICENCE.mediatek for details.

Driver: mt7921 - MediaTek MT7921 bluetooth chipset

File: mediatek/BT_RAM_CODE_MT7961_1_2_hdr.bin

Version: 20211129211059

Licence: Redistributable. See LICENCE.mediatek for details.

Driver: mt7922 - MediaTek MT7922 Wireless MACs

File: mediatek/WIFI_MT7922_patch_mcu_1_1_hdr.bin

Version: 20210727184234a

File: mediatek/WIFI_RAM_CODE_MT7922_1.bin

Version: 20210727184325

Licence: Redistributable. See LICENCE.mediatek for details.

Driver: mt7922 - MediaTek MT7922 bluetooth chipset

File: mediatek/BT_RAM_CODE_MT7922_1_1_hdr.bin

Version: 20210901204456

Licence: Redistributable. See LICENCE.mediatek for details.

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_AMDA0058-0012_2x40.nffw
File: netronome/nic-sriov/nic_AMDA0078-0011_1x100.nffw

Version: v2.1.16.1

File: netronome/flower/nic_AMDA0099.nffw
File: netronome/flower/nic_AMDA0096.nffw
File: netronome/flower/nic_AMDA0097.nffw
File: netronome/flower/nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0081.nffw -> nic_AMDA0097.nffw
Link: netronome/flower/nic_AMDA0081-0001_1x40.nffw -> nic_AMDA0081.nffw
Link: netronome/flower/nic_AMDA0097-0001_2x40.nffw -> nic_AMDA0097.nffw
Link: netronome/flower/nic_AMDA0099-0001_2x10.nffw -> nic_AMDA0099.nffw
Link: netronome/flower/nic_AMDA0081-0001_4x10.nffw -> nic_AMDA0081.nffw
Link: netronome/flower/nic_AMDA0097-0001_4x10_1x40.nffw -> nic_AMDA0097.nffw
Link: netronome/flower/nic_AMDA0099-0001_2x25.nffw -> nic_AMDA0099.nffw
Link: netronome/flower/nic_AMDA0096-0001_2x10.nffw -> nic_AMDA0096.nffw
Link: netronome/flower/nic_AMDA0097-0001_8x10.nffw -> nic_AMDA0097.nffw
Link: netronome/flower/nic_AMDA0099-0001_1x10_1x25.nffw -> nic_AMDA0099.nffw

Link: netronome/flower/nic_AMDA0058-0011_1x100.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0058-0011_2x40.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0058-0011_4x10_1x40.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0058-0011_8x10.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0058-0012_1x100.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0058-0012_2x40.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0058-0012_4x10_1x40.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0058-0012_8x10.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0078-0011_1x100.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0078-0011_2x40.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0078-0011_4x10_1x40.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0078-0011_8x10.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0078-0012_1x100.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0078-0012_2x40.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0078-0012_4x10_1x40.nffw -> nic_AMDA0058.nffw
Link: netronome/flower/nic_AMDA0078-0012_8x10.nffw -> nic_AMDA0058.nffw

Version: AOTC-2.14.A.6

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

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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

File: qcom/venus-5.4/venus.mdt
File: qcom/venus-5.4/venus.b00
File: qcom/venus-5.4/venus.b01
File: qcom/venus-5.4/venus.b02
File: qcom/venus-5.4/venus.b03
File: qcom/venus-5.4/venus.b04
File: qcom/venus-5.4/venus.mbn

Version: 5.4-00038

File: qcom/vpu-1.0/venus.mdt
File: qcom/vpu-1.0/venus.b00
File: qcom/vpu-1.0/venus.b01
File: qcom/vpu-1.0/venus.b02
File: qcom/vpu-1.0/venus.b03
File: qcom/vpu-1.0/venus.b04
File: qcom/vpu-1.0/venus.b05
File: qcom/vpu-1.0/venus.b06
File: qcom/vpu-1.0/venus.b07
File: qcom/vpu-1.0/venus.b08
File: qcom/vpu-1.0/venus.b09
File: qcom/vpu-1.0/venus.b10
File: qcom/vpu-1.0/venus.b19
File: qcom/vpu-1.0/venus.mbn

Version: VIDEO.VPU.1.0-00087-PROD-1

File: qcom/vpu-2.0/venus.mdt
File: qcom/vpu-2.0/venus.b00

File: qcom/vpu-2.0/venus.b01
File: qcom/vpu-2.0/venus.b02
File: qcom/vpu-2.0/venus.b03
File: qcom/vpu-2.0/venus.b04
File: qcom/vpu-2.0/venus.b05
File: qcom/vpu-2.0/venus.b06
File: qcom/vpu-2.0/venus.b07
File: qcom/vpu-2.0/venus.b08
File: qcom/vpu-2.0/venus.b09
File: qcom/vpu-2.0/venus.b10
File: qcom/vpu-2.0/venus.b19
File: qcom/vpu-2.0/venus.mbn

Version: VIDEO.VPU.2.0-00038-PROD-1

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

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
File: qcom/a630_gmu.bin
File: qcom/a630_sqe.fw
File: qcom/sdm845/a630_zap.mbn
File: qcom/a650_gmu.bin
File: qcom/a650_sqe.fw
File: qcom/sm8250/a650_zap.mbn
File: qcom/a660_gmu.bin
File: qcom/a660_sqe.fw

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Driver: qcom_q6v5_pas - Qualcomm remoteproc firmware

File: qcom/sdm845/adsp.mbn
File: qcom/sdm845/adspr.jsn
File: qcom/sdm845/adspua.jsn
File: qcom/sdm845/cdsp.mbn
File: qcom/sdm845/cdspr.jsn
File: qcom/sm8250/adsp.mbn
File: qcom/sm8250/adspr.jsn
File: qcom/sm8250/adspua.jsn
File: qcom/sm8250/cdsp.mbn
File: qcom/sm8250/cdspr.jsn

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http://releases.linaro.org/96boards/dragonboard845c/qualcomm/firmware/RB3_firmware_20190529180356-v4.zip
http://releases.linaro.org/96boards/rb5/qualcomm/firmware/RB5_firmware_20210331-v4.zip

adsp.mbn has been converted from 20-adsp_split/firmware/adsp.* using
<https://github.com/andersson/pil-squasher>

cdsp.mbn has been converted from 21-cdsp_split/firmware/cdsp.* using
<https://github.com/andersson/pil-squasher>

Driver: qcom_q6v5_mss - Qualcomm modem subsystem firmware

File: qcom/sdm845/mba.mbn
File: qcom/sdm845/modem.mbn
File: qcom/sdm845/modemuw.jsn

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Binary files supplied originally from
http://releases.linaro.org/96boards/dragonboard845c/qualcomm/firmware/RB3_firmware_20190529180356-v4.zip

modem.mbn has been converted from 28-modem/modem.* using
<https://github.com/andersson/pil-squasher>

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
File: mellanox/mlxsw_spectrum-13.2000.1886.mfa2
File: mellanox/mlxsw_spectrum-13.2000.2308.mfa2
File: mellanox/mlxsw_spectrum2-29.2000.2308.mfa2
File: mellanox/mlxsw_spectrum-13.2000.2714.mfa2
File: mellanox/mlxsw_spectrum2-29.2000.2714.mfa2
File: mellanox/mlxsw_spectrum-13.2007.1168.mfa2
File: mellanox/mlxsw_spectrum2-29.2007.1168.mfa2
File: mellanox/mlxsw_spectrum3-30.2007.1168.mfa2
File: mellanox/mlxsw_spectrum-13.2008.1036.mfa2
File: mellanox/mlxsw_spectrum2-29.2008.1036.mfa2
File: mellanox/mlxsw_spectrum3-30.2008.1036.mfa2
File: mellanox/mlxsw_spectrum-13.2008.1310.mfa2
File: mellanox/mlxsw_spectrum2-29.2008.1310.mfa2
File: mellanox/mlxsw_spectrum3-30.2008.1310.mfa2
File: mellanox/mlxsw_spectrum-13.2008.1312.mfa2
File: mellanox/mlxsw_spectrum2-29.2008.1312.mfa2
File: mellanox/mlxsw_spectrum3-30.2008.1312.mfa2
File: mellanox/mlxsw_spectrum-13.2008.2018.mfa2
File: mellanox/mlxsw_spectrum2-29.2008.2018.mfa2
File: mellanox/mlxsw_spectrum3-30.2008.2018.mfa2
File: mellanox/mlxsw_spectrum-13.2008.2304.mfa2
File: mellanox/mlxsw_spectrum2-29.2008.2304.mfa2
File: mellanox/mlxsw_spectrum3-30.2008.2304.mfa2
File: mellanox/mlxsw_spectrum-13.2008.2406.mfa2
File: mellanox/mlxsw_spectrum2-29.2008.2406.mfa2
File: mellanox/mlxsw_spectrum3-30.2008.2406.mfa2
File: mellanox/mlxsw_spectrum-13.2008.2438.mfa2
File: mellanox/mlxsw_spectrum2-29.2008.2438.mfa2
File: mellanox/mlxsw_spectrum3-30.2008.2438.mfa2
File: mellanox/mlxsw_spectrum-13.2008.2946.mfa2
File: mellanox/mlxsw_spectrum2-29.2008.2946.mfa2
File: mellanox/mlxsw_spectrum3-30.2008.2946.mfa2
File: mellanox/mlxsw_spectrum-13.2008.3326.mfa2
File: mellanox/mlxsw_spectrum2-29.2008.3326.mfa2
File: mellanox/mlxsw_spectrum3-30.2008.3326.mfa2
File: mellanox/mlxsw_spectrum-13.2010.1006.mfa2
File: mellanox/mlxsw_spectrum2-29.2010.1006.mfa2
File: mellanox/mlxsw_spectrum3-30.2010.1006.mfa2

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Driver: cdns-mhdp - Cadence MHDP8546 DP bridge

File: cadence/mhdp8546.bin

Version: 2.1.0

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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

File: dpaa2/mc/mc_10.16.2_ls1088a.itb

File: dpaa2/mc/mc_10.16.2_ls2088a.itb

File: dpaa2/mc/mc_10.16.2_lx2160a.itb

File: dpaa2/mc/mc_10.18.0_ls1088a.itb

File: dpaa2/mc/mc_10.18.0_ls2088a.itb

File: dpaa2/mc/mc_10.18.0_lx2160a.itb

File: dpaa2/mc/mc_10.28.1_ls1088a.itb

File: dpaa2/mc/mc_10.28.1_ls2088a.itb

File: dpaa2/mc/mc_10.28.1_lx2160a.itb

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Driver: mscv-phy - Microchip PHY drivers

File: microchip/mscc_vsc8574_revb_int8051_29e8.bin

File: microchip/mscc_vsc8584_revb_int8051_fb48.bin

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Driver: meson-vdec - Amlogic video decoder

File: meson/vdec/g12a_h264.bin

File: meson/vdec/g12a_hevc_mmu.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/gxl_vp9.bin

File: meson/vdec/gxm_h264.bin

File: meson/vdec/sm1_hevc_mmu.bin

File: meson/vdec/sm1_vp9_mmu.bin

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Driver: ice - Intel(R) Ethernet Connection E800 Series

File: intel/ice/ddp/ice-1.3.26.0.pkg

Link: intel/ice/ddp/ice.pkg -> ice-1.3.26.0.pkg

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File: intel/ice/ddp-comms/ice_comms-1.3.20.0.pkg

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Driver: inside-secure -- Inside Secure EIP197 crypto driver

File: inside-secure/eip197_minifw/ipue.bin

File: inside-secure/eip197_minifw/ifpp.bin

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Driver: pretera - Marvell driver for Pretera family ASIC devices

File: mrvl/pretera/mvsw_pretera_fw-v2.0.img

File: mrvl/pretera/mvsw_pretera_fw-v3.0.img

File: mrvl/pretera/mvsw_pretera_fw-v4.0.img

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Driver: lt9611uxc - Lontium DSI to HDMI bridge

File: lt9611uxc_fw.bin

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Driver: wfx - Silicon Labs Wi-Fi Transceiver

File: silabs/wfm_wf200_C0.sec

Version: 3.12.1

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Originates from <https://github.com/SiliconLabs/wfx-firmware>

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Firmware provided as part of an XC5000 Linux developers kit by Brian Mathews to Devin Heitmueller on July 1, 2009.

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Chelsio Communication Terminator 4/5 ethernet controller firmware

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Firmware provided as part of an XC4000 Linux developers kit by Brian Mathews to Devin Heitmueller on July 1, 2009.

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agere_sta_fw.bin -- 9.48 Hermes I

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make-mod-scripts

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Version 3, 29 June 2007

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makedevs-native

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mt-d-utils

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opkg-utils-native

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, 1 April 1989

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perl-native

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pigz-native

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pkgconfig-native

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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the library `Frob` (a library for tweaking knobs) written
by James Random Hacker.

signature of Ty Coon, 1 April 1990

Ty Coon, President of Vice
That`s all there is to it!

python3

A. HISTORY OF THE SOFTWARE

=====

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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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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
2.1.2 2.1.1	2002	PSF	yes
2.1.3 2.1.2	2002	PSF	yes
2.2 and above	2.1.1 2001-now	PSF	yes

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python3-dbus

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python3-native

A. HISTORY OF THE SOFTWARE

=====

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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
2.1.2 2.1.1 2002 PSF yes
2.1.3 2.1.2 2002 PSF yes
2.2 and above 2.1.1 2001-now PSF yes

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python3-pyobject

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Version 2.1, February 1999

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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That's all there is to it!

python3-setuptools-native

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qemu-native

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Version 2.1, February 1999

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Ty Coon, President of Vice

That's all there is to it!

rsync-native

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shadow-native

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shadow-securetty

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shared-mime-info

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shared-mime-info-native

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swupdate-extra-files

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sysfsutils

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sysvinit-inittab

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texinfo-dummy-native

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tf-a-stm32mp

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udev-extraconf

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unifdef-native

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update-rc.d

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update-rc.d-native

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Version 2, June 1991

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util-linux-native

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watchdog

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watchdog-config

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wireless-regdb

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=====

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