

# technicolor



## **TCA400COM**

### **v3.5**

## **Open Source Report**

This document aims to describe the Open Source Software which are embedded in product  
TCA400COM

Copyright © 2019 Technicolor Group (Connected Home Division of Technicolor Group – Technicolor Delivery Technologies, SAS and/or Technicolor Connected Home USA, LLC). Do not distribute. All rights reserved. This document contains Technicolor Group – Connected Home proprietary information. Passing on, reproduction, copying, modification, use, extraction or communication to third parties (or to other than the addressee) of this document of any part thereof is strictly prohibited without written authorization from Technicolor Group – Connected Home

# TCA400COM

## Open Source Report

THE INFORMATION PROVIDED IN THIS DOCUMENTATION IS PROVIDED WITHOUT ANY WARRANTY, OR REPRESENTATION OF ANY KIND. THIS IS FOR INFORMATION PURPOSES ONLY.

THE RECIPIENT SHALL IN NO EVENT ASSUME THAT ANY INFORMATION OR ISSUE RELATING TO THE DELIVERABLES LISTED HEREUNDER ARE SUBJECT TO THE SAME ISSUES. AS AN EXAMPLE, SINCE PATCHES AND WORKAROUNDS MAY BE IN PLACE TO CIRCUMVENT KNOWN AND PUBLIC VULNERABILITIES, THIS REPORT CANNOT BE USED TO ANALYZE THE SECURITY STATUS OF THE PRODUCT SOFTWARE.

<b>Product</b>	TCA400COM
<b>Version</b>	v3.5
<b>Open Source Modules</b>	882

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
abi/cpp/libgabi++	undefined	BSDlike
art/compiler/libart-compiler	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/dalvikvm/dalvikvm	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/dex2oat/dex2oat	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/dexlist/dexlist	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/disassembler/libart-disassembler	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/libart_fake/libart_fake	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/oatdump/oatdump	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/patchoat/patchoat	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/profman/profman	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/runtime/libart	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/runtime/libopenjdkjvm	LA.BR.5.6-00500-89xx.0	Apache-2.0
art/sigchainlib/libsigchain	LA.BR.5.6-00500-89xx.0	Apache-2.0
bionic/libc/libc	LA.BR.5.6-00500-89xx.0	BSDlike
bionic/libc/libstdc++	LA.BR.5.6-00500-89xx.0	BSDlike
bionic/libc/malloc_debug/libc_malloc_debug	LA.BR.5.6-00500-89xx.0	BSDlike
bionic/libdl/libdl	LA.BR.5.6-00500-89xx.0	BSDlike
bionic/libm/libm	LA.BR.5.6-00500-89xx.0	BSDlike
bionic/linker/linker	LA.BR.5.6-00500-89xx.0	Apache-2.0
bootable/recovery/applypatch/applypatch	LA.BR.5.6-00500-89xx.0-1-g69257fd	BSDlike, Apache-2.0
bootable/recovery/minui/libminui	LA.BR.5.6-00500-89xx.0	Apache-2.0
bootable/recovery/recovery	LA.BR.5.6-00500-89xx.0	Apache-2.0
bootable/recovery/tools/ota/add-property-tag	LA.BR.5.6-00500-89xx.0	Apache-2.0
bootable/recovery/tools/ota/check-lost+found	LA.BR.5.6-00500-89xx.0	Apache-2.0
bootable/recovery/uncrypt/uncrypt	LA.BR.5.6-00500-89xx.0	Apache-2.0
build/target/product/security/verity_key	undefined	Apache-2.0
build/tools/fs_config/fs_config_files	LA.BR.5.6-00500-89xx.0-1-gd3cf554	Apache-2.0
dalvik/dexdump/dexdump	LA.BR.5.6-00500-89xx.0	Apache-2.0
development/cmds/monkey/monkey	android-7.1.2_r36-150-g2451509	Apache-2.0
device/qcom/common/cryptfs_hw/libcryptfs_hw	9c0bfa7	BSDlike
device/qcom/common/power/power.qcom	9c0bfa7	BSDlike
device/qcom/msm8909/dev_key.pub.der	883a6fb	BSDlike, Apache-2.0
external/android-clat/clatd	android-7.0.0_r36-1-gfbc7e05	Apache-2.0
external/ant-wireless/ant_native/antradio_app	97fd7b8	Apache-2.0
external/ant-wireless/ant_native/libantradio	97fd7b8	Apache-2.0
external/ant-wireless/ant_service/anthalservice	b616838	Apache-2.0
external/apache-http/org.apache.http.legacy.boot	android-7.0.0_r36-2-gaa664a2	Apache-2.0
external/apache-xml/apache-xml	android-cts-8.1_r14-5-gcaaafdd	Apache-2.0
external/board_init/board_init	4297286	GPL-v2
external/board_init/chat	4297286	GPL-v2

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
external/board_init/linmuxcfg	4297286	GPL-v2
external/board_init/lte_shutdown	4297286	GPL-v2
external/board_init/muxloop	4297286	GPL-v2
external/boringssl/libcrypto	android-7.1.2_r6-11-g68054fd	BSDlike
external/boringssl/libssl	android-7.1.2_r6-11-g68054fd	BSDlike
external/bouncycastle/bouncycastle	android-7.0.0_r27-17-g1693bc4	BSDlike
external/btconfig/btconfig	00dae92	BSDlike
external/chromium-libpac/libpac	android-7.1.2_r36-9-gfde6bfa	BSDlike
external/chromium-webview/webview	android-7.1.2_r36-5-g25c56ac	Apache-2.0
external/compiler-rt/libcompiler_rt	android-7.0.0_r36	MIT
external/conscrypt/conscrypt	android-cts-7.0_r3-36-g13e44d9	Apache-2.0
external/conscrypt/libjavacrypto	android-cts-7.0_r3-36-g13e44d9	Apache-2.0
external/curl/curl	android-7.1.2_r36-6-g126e2ca	MIT
external/curl/libcurl	android-7.1.2_r36-6-g126e2ca	MIT
external/dng_sdk/libdng_sdk	android-cts-7.0_r30-2-ge1ce561	BSD
external/dnsmasq/src/dnsmasq	android-7.1.2_r33-10-g8905826	GPL-v2
external/e2fsprogs/e2fsck/e2fsck	android-cts-7.1_r26	GPL-v2
external/e2fsprogs/e2fsck/libext2_profile	android-cts-7.1_r26	GPL-v2
external/e2fsprogs/lib/blkid/libext2_blkid	android-cts-7.1_r26	GPL-v2
external/e2fsprogs/lib/e2p/libext2_e2p	android-cts-7.1_r26	GPL-v2
external/e2fsprogs/lib/et/libext2_com_err	android-cts-7.1_r26	GPL-v2
external/e2fsprogs/lib/ext2fs/libext2fs	android-cts-7.1_r26	GPL-v2
external/e2fsprogs/lib/quotacheat/libext2_quota	android-cts-7.1_r26	GPL-v2
external/e2fsprogs/lib/uuid/libext2_uuid	android-cts-7.1_r26	BSDlike
external/e2fsprogs/misc/blkid	android-cts-7.1_r26	GPL-v2
external/e2fsprogs/resize/resize2fs	android-cts-7.1_r26	GPL-v2
external/e2fsprogs/userspace/e2fsck/e2fsck	b070104	GPL-v2
external/e2fsprogs/userspace/e2fsck/libext2_802_3	b070104	GPL-v2
external/e2fsprogs/userspace/e2fsck/libext2_among	b070104	GPL-v2
external/e2fsprogs/userspace/e2fsck/libext2_arp	b070104	GPL-v2
external/e2fsprogs/userspace/e2fsck/libext2_arpreply	b070104	GPL-v2
external/e2fsprogs/userspace/e2fsck/libext2_ip	b070104	GPL-v2
external/e2fsprogs/userspace/e2fsck/libext2_ip6	b070104	GPL-v2
external/e2fsprogs/userspace/e2fsck/libext2_limit	b070104	GPL-v2
external/e2fsprogs/userspace/e2fsck/libext2_log	b070104	GPL-v2
external/e2fsprogs/userspace/e2fsck/libext2_mark	b070104	GPL-v2
external/e2fsprogs/userspace/e2fsck/libext2_quota	b070104	GPL-v2

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
libebt_mark_m		
external/eatables/userspace/eatables2/libebt_nat	b070104	GPL-v2
external/eatables/userspace/eatables2/libebt_nflag	b070104	GPL-v2
external/eatables/userspace/eatables2/libebt_pkttype	b070104	GPL-v2
external/eatables/userspace/eatables2/libebt_redirect	b070104	GPL-v2
external/eatables/userspace/eatables2/libebt_standard	b070104	GPL-v2
external/eatables/userspace/eatables2/libebt_stp	b070104	GPL-v2
external/eatables/userspace/eatables2/libebt_uloop	b070104	GPL-v2
external/eatables/userspace/eatables2/libebt_vlan	b070104	GPL-v2
external/eatables/userspace/eatables2/libebtable_broute	b070104	GPL-v2
external/eatables/userspace/eatables2/libebtable_filter	b070104	GPL-v2
external/eatables/userspace/eatables2/libebtable_nat	b070104	GPL-v2
external/eatables/userspace/eatables2/libebtc	b070104	GPL-v2
external/expat/libexpat	android-7.1.2_r36-10-g0247227	BSDlike
external/f2fs-tools/fsck.f2fs	android-cts-7.1_r26	LGPL-v2.1
external/f2fs-tools/make_f2fs	android-cts-7.1_r26	LGPL-v2.1
external/fio/fio	android-7.0.0_r36	GPL-v2
external/freetype/libft2	android-7.1.2_r36-5-ga21117c	BSDlike
external/fsck_msdos/fsck_msdos	android-7.0.0_r36	BSDlike
external/gemalto/libgemalto	undefined	Apache-2.0
external/gptfdisk/sgdisk	android-7.0.0_r36	GPL-v2
external/harfbuzz/libharfbuzz	android-cts-7.1_r26-7-g7cdecf8	MIT
external/hyphenation-patterns/hyph-as	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-bn	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-cy	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-da	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-de-1901	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-de-1996	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-de-ch-1901	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-en-gb	android-7.0.0_r36	Unicode
external/hyphenation-patterns/hyph-en-us	android-7.0.0_r36	hyph-en-us.lic - Kuiken
external/hyphenation-patterns/hyph-es	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-et	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-eu	android-7.0.0_r36	Unicode
external/hyphenation-patterns/hyph-fr	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-ga	android-7.0.0_r36	MIT

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
external/hyphenation-patterns/hyph-gu	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-hi	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-hr	android-7.0.0_r36	Unicode
external/hyphenation-patterns/hyph-hu	android-7.0.0_r36	MPL-v1.1, LGPL-v2.1, GPL-v2
external/hyphenation-patterns/hyph-hy	android-7.0.0_r36	LGPL-v2.1
external/hyphenation-patterns/hyph-kn	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-ml	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-mn-cyrl	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-mr	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-nb	android-7.0.0_r36	MITlike
external/hyphenation-patterns/hyph-nn	android-7.0.0_r36	MITlike
external/hyphenation-patterns/hyph-or	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-pa	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-pt	android-7.0.0_r36	BSD
external/hyphenation-patterns/hyph-sl	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-ta	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-te	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-tk	android-7.0.0_r36	MIT
external/hyphenation-patterns/hyph-und-ethi	android-7.0.0_r36	MITlike
external/i2c_tool/i2cget	3.1.0	GPL-v2
external/i2c_tool/i2cset	3.1.0	GPL-v2
external/icu/icu4c/source/common/libicuuc	android-7.1.2_r36-54-g784fb30	BSD, MITlike
external/icu/icu4c/source/i18n/libicui18n	android-7.1.2_r36-54-g784fb30	BSD, MITlike
external/icu/icu4c/source/stubdata/icu-data	android-7.1.2_r36-54-g784fb30	BSD, MITlike
external/iozone/iozone	3.347	BSDlike, GPL-v2
external/iproute2/ip/ip	android-7.1.2_r36-6-g87921a5	GPL-v2
external/iproute2/lib/libiprouteutil	android-7.1.2_r36-6-g87921a5	GPL-v2
external/iproute2/lib/libnetlink	android-7.1.2_r36-6-g87921a5	GPL-v2
external/iproute2/misc/ss	android-7.1.2_r36-6-g87921a5	GPL-v2
external/iproute2/tc/tc	android-7.1.2_r36-6-g87921a5	GPL-v2
external/ipsec-tools/racoon	android-7.1.2_r36-3-g7dc9113	BSDlike
external/iptables/iptables/ip6tables	android-7.0.0_r36-3-gab25355	GPL-v2
external/iptables/iptables/iptables	android-7.0.0_r36-3-gab25355	GPL-v2
external/iputils/arping	android-7.1.2_r36-5-g038d185	BSDlike
external/iputils/ping	android-7.1.2_r36-5-g038d185	BSDlike
external/iputils/ping6	android-7.1.2_r36-5-g038d185	BSDlike
external/iputils/tracepath	android-7.1.2_r36-5-g038d185	BSDlike
external/iputils/tracepath6	android-7.1.2_r36-5-g038d185	BSDlike
external/iputils/traceroute6	android-7.1.2_r36-5-g038d185	BSDlike
external/iw/iw	android-7.0.0_r36	BSDlike
external/junit/core-junit	android-cts-7.1_r26-5-ga2b475b	CPL-v1.0

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
external/libcap/libcap	android-7.0.0_r36	BSDlike
external/libchrome/libchrome	android-7.0.0_r36-7-g9ca6b97	BSDlike
external/libcxx/libc++	android-7.0.0_r36	BSDlike
external/libevent/libevent	android-7.1.2_r36-5-g7552b26	BSDlike
external/libexif/libexif/libexif	android-7.0.0_r36	LGPL-v2.1
external/libjpeg-turbo/libjpeg	android-7.0.0_r36	BSDlike, zlib, IJG
external/libnfc-nxp/libnfc_ndef	android-7.0.0_r36	Apache-2.0
external/libnl/libnl	android-7.1.2_r36-7-gd284857	LGPL-v2.1
external/libopus/libopus	android-7.1.2_r36-4-gd1f1c8c	BSDlike
external/libpng/libpng	android-7.0.0_r36-7-gd1e5477	BSDlike
external/libpng/pngtest	android-7.0.0_r36-7-gd1e5477	BSDlike
external/libunwind/libunwind	android-7.0.0_r36-8-gbd50b2c	MIT
external/libxml2/libxml2	android-7.1.2_r11-13-g23bc439	MIT
external/llvm/libllvm	android-7.0.0_r36-4-g12b2a12	BSDlike
external/lz4/lib/lz4	android-7.0.0_r36	BSDlike
external/mdnsresponder/libmdnsd	android-cts-7.1_r26-3-g380b5f7	Apache-2.0
external/mdnsresponder/mdnsd	android-cts-7.1_r26-3-g380b5f7	Apache-2.0
external/minijail/libminijail	android-7.0.0_r36-5-gd2f8c21	BSDlike
external/mksh/sh	android-7.0.0_r36	BSDlike
external/mm-dash/dashplayer/libdashplayer	3244b48	BSDlike, Apache-2.0
external/mm-dash/jni/libextmedia_jni	3244b48	BSDlike
external/mm-dash/qcmediaplayer/native/libqcmediaplayer	3244b48	BSDlike
external/mm-dash/qcmediaplayer/qcmediaplayer	3244b48	BSDlike
external/mmc-utils/mmc_utils	android-7.0.0_r36	GPL-v2
external/mobicore/mobicoredriverlib/libmcclient	37dc064	BSDlike
external/mobicore/mobicoredriverlib/libmcregistry	37dc064	BSDlike
external/mobicore/mobicoredriverlib/mcdriverdaemon	37dc064	BSDlike
external/mobicore/rootpa/code/android/app/jni/commonpawrapper/libcommonpawrapper	37dc064	BSDlike
external/mobicore/rootpa/code/android/app/rootpa	37dc064	BSDlike
external/mtpd/mtpd	android-7.0.0_r36	Apache-2.0
external/neven/libfftem	android-cts-7.0_r30	Apache-2.0
external/noto-fonts/cjk/notosansCJK-regular.ttc	android-7.1.2_r36-21-g9ed1439	SIL OFL 1.1
external/okhttp/okhttp	android-7.0.0_r36-17-ge4eaedc	Apache-2.0
external/pcre/libpcre	android-7.0.0_r36	BSDlike
external/pcre/libpcrecpp	android-7.0.0_r36	BSDlike
external/pdfium/fpdfsdk/libpdfium	android-7.1.2_r36-2-ga2fa9bb	BSDlike
external/piex/libbinary_parse	android-7.0.0_r36	Apache-2.0
external/piex/libimage_type_recognition	android-7.0.0_r36	Apache-2.0
external/piex/libpiex	android-7.0.0_r36	Apache-2.0

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
external/piex/libtiff_directory	android-7.0.0_r36	Apache-2.0
external/powertop/powertop	1a7c075	GPL-v2
external/ppp/pppd/pppd	android-7.0.0_r36	BSDlike
external/protobuf/libprotobuf-cpp-full	android-7.0.0_r36-7-g3efb500	Apache-2.0
external/protobuf/libprotobuf-cpp-lite	android-7.0.0_r36-7-g3efb500	Apache-2.0
external/serialconfig/serialconfig	b6c01dc	BSDlike
external/skia/libskia	android-7.1.2_r17-54-g4288ee5	BSDlike
external/sonic/libsonic	android-7.0.0_r36	Apache-2.0
external/sonivox/arm-wt-22k/libsonivox	android-7.1.2_r17-13-g8b8ebe9	Apache-2.0
external/speex/libspeexresampler	android-7.0.0_r36	BSDlike
external/strace/strace	android-7.0.0_r36	BSDlike
external/svox/pico/compat/jni/libttscompat	android-cts-7.0_r30	Apache-2.0
external/svox/pico/picotts	android-cts-7.0_r30	Apache-2.0
external/svox/pico/tts/libttspico	android-cts-7.0_r30	Apache-2.0
external/tcpdump/tcpdump	android-7.0.0_r36	BSDlike
external/tinyalsa/libtinyalsa	android-7.1.2_r36-5-g57a28a0	BSDlike
external/tinyalsa/tinycap	android-7.1.2_r36-5-g57a28a0	BSDlike
external/tinyalsa/tinymix	android-7.1.2_r36-5-g57a28a0	BSDlike
external/tinyalsa/tinypcminfo	android-7.1.2_r36-5-g57a28a0	BSDlike
external/tinyalsa/tinyplay	android-7.1.2_r36-5-g57a28a0	BSDlike
external/tinycompress/cplay	android-7.0.0_r36-1-gd1eb60d	BSDlike
external/tinycompress/libtinycompress	android-7.0.0_r36-1-gd1eb60d	BSDlike
external/tinyxml/libtinyxml	android-7.0.0_r36	BSDlike
external/tinyxml2/libtinyxml2	android-7.0.0_r36-1-g41e0f65	BSDlike
external/toybox/toybox	android-7.0.0_r36-8-g520ccea	BSDlike
external/tremolo/libvorbisidc	android-7.1.2_r17-13-g6386f41	BSDlike
external/vixl/libvixl	android-7.0.0_r36	BSDlike
external/webrtc/libwebrtc_audio_preprocessing	android-7.0.0_r36	BSDlike
external/wpa_supplicant_8/hostapd/hostapd	android-cts-7.1_r26-136-g31fe73a	BSDlike
external/wpa_supplicant_8/hostapd/hostapd_cli	android-cts-7.1_r26-136-g31fe73a	BSDlike
external/wpa_supplicant_8/wpa_supplicant/libwpa_client	android-cts-7.1_r26-136-g31fe73a	BSDlike
external/wpa_supplicant_8/wpa_supplicant/wpa_cli	android-cts-7.1_r26-136-g31fe73a	BSDlike
external/wpa_supplicant_8/wpa_supplicant/wpa_supplicant	android-cts-7.1_r26-136-g31fe73a	BSDlike
external/zlib/gzip	android-7.0.0_r36	BSDlike
external/zlib/libz	android-7.0.0_r36	BSDlike
frameworks/av/camera/cameraserver/cameraserver	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/camera/libcamera_client	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/camera/ndk/libcamera2ndk	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/cmds/screenrecord/screenrecord	android-7.1.2_r6-693-g11a3b69	Apache-2.0





TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
gsm/dec/libstagefright_soft_gsmdec		
frameworks/av/media/libstagefright/codecs/hevcdec/libstagefright_soft_hevcdec	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/codecs/m4v_h263/dec/libstagefright_soft_mpeg4dec	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/codecs/m4v_h263/enc/libstagefright_soft_mpeg4enc	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/codecs/mp3dec/libstagefright_soft_mp3dec	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/codecs/mpeg2dec/libstagefright_soft_mpeg2dec	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/codecs/on2/dec/libstagefright_soft_vpxdec	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/codecs/on2/enc/libstagefright_soft_vpxenc	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/codecs/opus/dec/libstagefright_soft_opusdec	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/codecs/raw/libstagefright_soft_rawdec	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/codecs/vorbis/dec/libstagefright_soft_vorbisdec	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/foundation/libstagefright_foundation	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/http/libstagefright_http_support	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/httplive/libstagefright_httplive	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/libstagefright	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/omx/libstagefright_omx	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/wifi-display/libstagefright_wfd	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/libstagefright/yuv/libstagefright_yuv	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/mediaserver/mediaserver	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/mtp/libmtp	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/ndk/libmediandk	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/media/utils/libmediautils	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/radio/libradio	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/audioflinger/audio-resampler/libaudio-resampler	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/audioflinger/libaudioflinger	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/audioflinger/libaudiore sampler	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/audioflinger/libserviceutility	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/audiopolicy/enginedefault/libaudiopolicyenginedefault	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/audiopolicy/libaudiopolicymanagerdefault	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/audiopolicy/libaudiopolicy service	android-7.1.2_r6-693-g11a3b69	Apache-2.0

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
frameworks/av/services/camera/libcameraservice/libcameraservice	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/mediacodec/libmediacodecservice	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/mediacodec/mediacodec	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/mediadrmm/mediadrmsserver	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/mediaextractor/libmediaextractorservice	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/mediaextractor/mediaextractor	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/medialog/libmedialogservice	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/mediaresourcecmanager/libresourcecmanagerservice	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/radio/libradioservice	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/services/soundtrigger/libsoundtriggerservice	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/av/soundtrigger/libsoundtrigger	android-7.1.2_r6-693-g11a3b69	Apache-2.0
frameworks/base/cmds/am/am	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/app_process/app_process	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/appwidget/appwidget	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/bmgr/bmgr	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/bootanimation/bootanimation	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/cmds/bu/bu	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/content/content	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/dpm/dpm	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/hid/hid	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/hid/jni/libhidcommand_jni	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/idmap/idmap	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/cmds/ime/ime	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/input/input	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/media/media_cmd	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/pm/pm	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/requestsync/requestsync	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/screencap/screencap	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/cmds/settings/settings	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/cmds/sm/sm	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/svc/svc	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/telecom/telecom	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/uiautomator/cmds/uiautomator/uiautomator	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/cmds/wm/wm	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
frameworks/base/core/java/org/codeaurora/camera/org.codeaurora.camera	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/core/jni/libandroid_runtime	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/core/res/framework-res	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/drm/jni/libdrmframework_jni	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/ext	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/framework	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/libs/androidfw/libandroidfw	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/libs/hwui/libhwui	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/libs/input/libinputservice	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/libs/regionalization/libregionalization	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/libs/usb/com.android.future.usb.accessory	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/location/lib/com.android.location.provider	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/media/jni/audioeffect/libaudioeffect_jni	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/media/jni/libmedia_jni	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/media/jni/soundpool/libsoundpool	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/media/lib/remotedisplay/com.android.media.remotedisplay	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/media/lib/signer/com.android.mediadrmsigner	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/media/mca/filterfw/native/libfilterfw	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/media/mca/filterpacks/libfilterpack_imageproc	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/media/packages/bluetoothmidiservice/bluetoothmidiservice	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/native/android/libandroid	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/native/graphics/jni/libjnigraphics	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/obex/javax.obex	android-7.1.2_r6-1553-g8db6ecc	BSDlike
frameworks/base/packages/backupstoreconfirmation/backupstoreconfirmation	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/captiveportallogin/captiveportallogin	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/ctsshim/ctsshimprebuilt	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/ctsshim/ctsshimprivprebuilt	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/defaultcontainerservice/defaultcontainerservice	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/defaultcontainerservice/jni/libdefcontainer_jni	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/documentsui/documentsui	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/easteregg/easteregg	android-7.1.2_r6-1540-gc273a39	Apache-2.0

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
frameworks/base/packages/externalstorageprovider/externalstorageprovider	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/extservices/extservices	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/packages/extshared/extshared	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/packages/fusedlocation/fusedlocation	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/packages/inputdevices/inputdevices	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/packages/mtpdocumentsprovider/jni/libappfuse_jni	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/mtpdocumentsprovider/mtpdocumentsprovider	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/printrecommendationservice/printrecommendationservice	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/packages/printspooler/jni/libprintspooler_jni	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/packages/printspooler/printspooler	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/packages/services/pacprocessor/jni/libjni_pacprocessor	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/services/pacprocessor/pacprocessor	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/services/proxy/proxyhandler	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/settingsprovider/settingsprovider	android-7.1.2_r6-1552-ga04fbb4	Apache-2.0
frameworks/base/packages/sharedstoragebackup/sharedstoragebackup	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/shell/shell	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/statementservice/statementservice	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/systemui/systemui	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/packages/vpndialogs/vpndialogs	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/wallpaperbackup/wallpaperbackup	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/wallpapercropper/wallpapercropper	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/packages/wappushmanager/wappushmanager	android-7.1.2_r6-1553-g8db6ecc	Apache-2.0
frameworks/base/rs/jni/librs_jni	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/services/libandroid_servers	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/services/services	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/base/test-runner/android.test.runner	android-7.1.2_r6-1540-gc273a39	Apache-2.0
frameworks/compile/libbcc/bcinfo/libbcinfo	android-7.0.0_r36-4-g4cb66fc	Apache-2.0, MITlike
frameworks/compile/libbcc/libbcc	android-7.0.0_r36-4-g4cb66fc	Apache-2.0, MITlike
frameworks/compile/libbcc/tools/bcc/bcc	android-7.0.0_r36-4-g4cb66fc	Apache-2.0, MITlike
frameworks/compile/mclinker/tools/mcld/ld.mc	android-7.0.0_r36	BSDlike, MITlike
frameworks/minikin/libs/minikin/libminikin	android-cts-7.0_r30-16-gbd91b78	Apache-2.0

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
frameworks/native/cmds/atrace/atrace	android-7.1.2_r11-363-gaad4287	Apache-2.0
frameworks/native/cmds/bugreport/bugreport	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/cmds/bugreportz/bugreportz	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/cmds/cmd/cmd	android-7.1.2_r11-363-gaad4287	Apache-2.0
frameworks/native/cmds/dumpstate/dumpstate	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/cmds/dumpsys/dumpsys	android-7.1.2_r11-363-gaad4287	Apache-2.0
frameworks/native/cmds/flatland/flatland	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/cmds/installd/installd	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/cmds/ip-up-vpn/ip-up-vpn	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/cmds/rawbu/rawbu	android-7.1.2_r11-363-gaad4287	Apache-2.0
frameworks/native/cmds/service/service	android-7.1.2_r11-363-gaad4287	Apache-2.0
frameworks/native/cmds/servicemanager/ servicemanager	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/libs/binder/libbinder	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/libs/gui/libgui	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/libs/input/libinput	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/libs/ui/libui	android-7.1.2_r11-363-gaad4287	Apache-2.0
frameworks/native/opengl/libagl/libgles_android	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/opengl/libs/libegl	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/opengl/libs/libetc1	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/opengl/libs/libglesv1_cm	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/opengl/libs/libglesv2	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/opengl/libs/libglesv3	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/services/inputflinger/ libinputflinger	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/services/powermanager/ libpowermanager	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/services/sensorservice/ libsensorservice	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/services/sensorservice/ sensorservice	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/services/surfaceflinger/ libsurfaceflinger	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/services/surfaceflinger/ libsurfaceflinger_ddmconnection	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/services/surfaceflinger/ surfaceflinger	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/native/vulkan/libvulkan/libvulkan	android-7.1.2_r11-362-g06efa59	Apache-2.0
frameworks/opt/net/ethernet/ethernet-service	android-7.0.0_r36-4-g091e32f	Apache-2.0
frameworks/opt/net/ims/ims-common	android-7.1.2_r36-40-g48a1351	Apache-2.0
frameworks/opt/net/voip/src/jni/rtp/librtp_jni	android-cts-7.1_r26-3-g6a9d43c	Apache-2.0
frameworks/opt/net/voip/voip-common	android-cts-7.1_r26-3-g6a9d43c	Apache-2.0
frameworks/opt/net/wifi/service/libwifi-service	android-7.1.2_r27-274-gf6a09da	Apache-2.0
frameworks/opt/net/wifi/service/wifi-service	android-7.1.2_r27-274-gf6a09da	Apache-2.0
frameworks/opt/telephony/resources/ telresources	android-7.1.2_r36-460-gfеееаа0	BSDlike



TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
frameworks/opt/telephony/telephony-common	android-7.1.2_r36-459-g850a49e	Apache-2.0
frameworks/opt/vcard/vcard	android-7.1.2_r36-9-gac2654e	Apache-2.0
frameworks/rs/cpp/librscpp	android-7.0.0_r36-25-g72b8dd3	Apache-2.0
frameworks/rs/cpu_ref/librscpuref	android-7.0.0_r36-25-g72b8dd3	Apache-2.0
frameworks/rs/driver/runtime/libclcore.bc	undefined	SunPro, Apache-2.0
frameworks/rs/driver/runtime/libclcore_debug.bc	undefined	SunPro, Apache-2.0
frameworks/rs/driver/runtime/libclcore_g.bc	undefined	SunPro, Apache-2.0
frameworks/rs/driver/runtime/libclcore_neon.bc	undefined	SunPro, Apache-2.0
frameworks/rs/librs	android-7.0.0_r36-25-g72b8dd3	Apache-2.0
frameworks/rs/librs_internal	android-7.0.0_r36-25-g72b8dd3	Apache-2.0
frameworks/rs/librsdriver	android-7.0.0_r36-25-g72b8dd3	Apache-2.0
frameworks/webview/chromium/libwebviewchromium_loader	android-7.0.0_r36	BSDlike
frameworks/webview/chromium/libwebviewchromium_plat_support	android-7.0.0_r36	BSDlike
frameworks/wilhelm/src/libopenmaxal	android-7.0.0_r36-14-gb65e7cf	Apache-2.0, MITlike
frameworks/wilhelm/src/libopensles	android-7.0.0_r36-14-gb65e7cf	Apache-2.0, MITlike
frameworks/wilhelm/src/libwilhelm	android-7.0.0_r36-14-gb65e7cf	Apache-2.0, MITlike
hardware/libhardware/ddk/battery/battery-test/battery-test	1c38bfa	Apache-2.0
hardware/libhardware/ddk/battery/native/libbattery	1c38bfa	Apache-2.0
hardware/libhardware/ddk/btn/btn-test/btn-test	1c38bfa	Apache-2.0
hardware/libhardware/ddk/btn/native/libbtn	1c38bfa	Apache-2.0
hardware/libhardware/ddk/led/led-test/led-test	1c38bfa	Apache-2.0
hardware/libhardware/ddk/led/native/libled	1c38bfa	Apache-2.0
hardware/libhardware/ddk/lpm/lpm-test/lpm-integration/lpm-integration	1c38bfa	Apache-2.0
hardware/libhardware/ddk/lpm/native/liblpm	1c38bfa	Apache-2.0
hardware/libhardware/ddk/lte/lte-test/lte-gpio-test	947b294	Apache-2.0
hardware/libhardware/ddk/lte/lte-test/lte-sim-test	947b294	Apache-2.0
hardware/libhardware/ddk/lte/native/liblte	947b294	Apache-2.0
hardware/libhardware/ddk/sysinfo/native/libsysinfo	1c38bfa	Apache-2.0
hardware/libhardware/ddk/sysinfo/sysinfo-test/sysinfo-test	1c38bfa	Apache-2.0
hardware/libhardware/libhardware	android-7.1.2_r36-100-gf6801a6	Apache-2.0
hardware/libhardware/modules/audio/audio.primary.default	android-7.1.2_r36-100-gf6801a6	Apache-2.0
hardware/libhardware/modules/audio_remote_submix/audio_r_submix.default	android-7.1.2_r36-100-gf6801a6	Apache-2.0
hardware/libhardware/modules/gralloc/gralloc.default	android-7.1.2_r36-100-gf6801a6	Apache-2.0
hardware/libhardware/modules/local_time/local_time.default	android-7.1.2_r36-100-gf6801a6	Apache-2.0
hardware/libhardware/modules/power/power.default	android-7.1.2_r36-100-gf6801a6	Apache-2.0

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
hardware/libhardware/modules/usbaudio/audio.usb.default	android-7.1.2_r36-100-gf6801a6	Apache-2.0
hardware/libhardware/modules/vibrator/vibrator.default	android-7.1.2_r36-100-gf6801a6	Apache-2.0
hardware/libhardware/tests/keymaster/keymaster_test	android-7.1.2_r36-100-gf6801a6	Apache-2.0
hardware/libhardware_legacy/audio/audio_policy.default	android-cts-7.1_r26-13-g99b98a2	Apache-2.0
hardware/libhardware_legacy/libhardware_legacy	android-cts-7.1_r26-13-g99b98a2	Apache-2.0
hardware/libhardware_legacy/libpower	android-cts-7.1_r26-13-g99b98a2	Apache-2.0
hardware/qcom/audio/audiod/audiod	android-sdk-4.4.2_r1.0.1-960-gd7d2120	BSDlike, Apache-2.0
hardware/qcom/audio/hal/audio.primary.msm8909	android-sdk-4.4.2_r1.0.1-953-g923fcf	BSDlike, Apache-2.0
hardware/qcom/audio/mm-audio/aenc-aac/qdsp6/libomxaacenc	undefined	BSDlike
hardware/qcom/audio/mm-audio/aenc-amrnb/qdsp6/libomxamrenc	undefined	BSDlike
hardware/qcom/audio/mm-audio/aenc-evrc/qdsp6/libomxevrnc	undefined	BSDlike
hardware/qcom/audio/mm-audio/aenc-qcelp13/qdsp6/libomxqcelp13enc	undefined	BSDlike
hardware/qcom/audio/policy_hal/libaudiopolicymanager	android-sdk-4.4.2_r1.0.1-960-gd7d2120	Apache-2.0
hardware/qcom/audio/post_proc/libqcompostprocbundle	android-sdk-4.4.2_r1.0.1-960-gd7d2120	BSDlike, Apache-2.0
hardware/qcom/audio/visualizer/libqcomvisualizer	android-sdk-4.4.2_r1.0.1-960-gd7d2120	Apache-2.0
hardware/qcom/audio/voice_processing/libqcomvoiceprocessing	android-sdk-4.4.2_r1.0.1-960-gd7d2120	Apache-2.0
hardware/qcom/bt/libbt-vendor/libbt-vendor	android-cts-5.1_r28-226-g9387364	Apache-2.0
hardware/qcom/camera/mm-image-codec/qomx_core/libqomx_core	android-4.2.1_r1.2-1763-g999ceae	BSDlike
hardware/qcom/camera/qcamera2/hal/camera.msm8909	android-4.2.1_r1.2-1763-g999ceae	BSDlike
hardware/qcom/camera/qcamera2/stack/mm-camera-interface/libmmcamera_interface	android-4.2.1_r1.2-1763-g999ceae	BSDlike
hardware/qcom/camera/qcamera2/stack/mm-camera-test/libmm-qcamera	android-4.2.1_r1.2-1763-g999ceae	BSDlike
hardware/qcom/camera/qcamera2/stack/mm-camera-test/mm-qcamera-app	android-4.2.1_r1.2-1763-g999ceae	BSDlike
hardware/qcom/camera/qcamera2/stack/mm-jpeg-interface/libmmjpeg_interface	android-4.2.1_r1.2-1763-g999ceae	BSDlike
hardware/qcom/display/libcopybit/copybit.msm8909	android-4.2.1_r1.2-1762-g36720e2	Apache-2.0
hardware/qcom/display/libgralloc/gralloc.msm8909	android-4.2.1_r1.2-1762-g36720e2	Apache-2.0
hardware/qcom/display/libgralloc/libmempalloc	android-4.2.1_r1.2-1762-g36720e2	Apache-2.0
hardware/qcom/display/libhdmi/libhdmi	android-4.2.1_r1.2-1762-g36720e2	Apache-2.0
hardware/qcom/display/libhwcomposer/hwcomposer.msm8909	android-4.2.1_r1.2-1762-g36720e2	BSDlike, Apache-2.0
hardware/qcom/display/liblight/lights.msm8909	android-4.2.1_r1.2-1762-g36720e2	Apache-2.0
hardware/qcom/display/libmemtrack/memtrack.msm8909	android-4.2.1_r1.2-1762-g36720e2	Apache-2.0
hardware/qcom/display/liboverlay/liboverlay	android-4.2.1_r1.2-1762-g36720e2	BSDlike, Apache-2.0



TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
hardware/qcom/display/libqdutils/libqdmadata	android-4.2.1_r1.2-1762-g36720e2	BSDlike
hardware/qcom/display/libqdutils/libqdutils	android-4.2.1_r1.2-1762-g36720e2	BSDlike
hardware/qcom/display/libqservice/libqservice	android-4.2.1_r1.2-1762-g36720e2	BSDlike, Apache-2.0
hardware/qcom/gps/core/libloc_core	android-cts-4.2_r2-603-gaff53e6	BSDlike
hardware/qcom/gps/loc_api/libloc_api_50001/gps.default	android-cts-4.2_r2-603-gaff53e6	BSDlike
hardware/qcom/gps/loc_api/libloc_api_50001/libloc_eng	android-cts-4.2_r2-603-gaff53e6	BSDlike
hardware/qcom/gps/utills/libgps.utills	android-cts-4.2_r2-603-gaff53e6	BSDlike
hardware/qcom/keymaster/keystore.qcom	android-cts-5.1_r28-4-g3c67d8e	Apache-2.0
hardware/qcom/media/libc2dcolorconvert/libc2dcolorconvert	android-cts-4.1_r4-1693-g984daed	Apache-2.0, MITlike
hardware/qcom/media/libstagefrighthw/libstagefrighthw	android-cts-4.1_r4-1693-g984daed	Apache-2.0
hardware/qcom/media/mm-core/libmm-omxcore	android-cts-4.1_r4-1693-g984daed	Apache-2.0, MITlike
hardware/qcom/media/mm-core/libomxcore	android-cts-4.1_r4-1693-g984daed	Apache-2.0, MITlike
hardware/qcom/media/mm-video-v4l2/vidc/test/msm-vidc-test	android-cts-4.1_r4-1693-g984daed	Apache-2.0, MITlike
hardware/qcom/media/mm-video-v4l2/vidc/vdec/libomxswvdec	android-cts-4.1_r4-1693-g984daed	Apache-2.0, MITlike
hardware/qcom/media/mm-video-v4l2/vidc/vdec/libomxvdec	android-cts-4.1_r4-1693-g984daed	Apache-2.0, MITlike
hardware/qcom/media/mm-video-v4l2/vidc/venc/libomxswvencmpeg4	android-cts-4.1_r4-1693-g984daed	Apache-2.0, MITlike
hardware/qcom/media/mm-video-v4l2/vidc/venc/libomxvenc	android-cts-4.1_r4-1693-g984daed	Apache-2.0, MITlike
hardware/qcom/sensors/libcalmodule_common	android-cts-6.0_r32-236-gd79ce6c	Apache-2.0
hardware/qcom/sensors/sensors.msm8909	android-cts-6.0_r32-236-gd79ce6c	Apache-2.0
hardware/qcom/wlan/qcwcn/wifi_hal/libwifi-hal-qcom	android-l-preview_r2-403-gb7a8d16	BSDlike, Apache-2.0
hardware/qcom/wlan/wcnss-service/wcnss_service	android-l-preview_r2-403-gb7a8d16	BSDlike
hardware/ril/libril-gto-sqn/libril-gto-sqn	android-7.1.2_r33-51-gf9e5c02	Apache-2.0
hardware/ril/libril/libril	android-7.1.2_r33-74-g58b804c	Apache-2.0
hardware/ril/librilutills/librilutills	android-7.1.2_r33-74-g58b804c	Apache-2.0
hardware/ril/reference-ril/libreference-ril	android-7.1.2_r33-74-g58b804c	Apache-2.0
hardware/ril/rild/radiooptions	android-7.1.2_r33-51-gf9e5c02	Apache-2.0
hardware/ril/rild/rild	android-7.1.2_r33-51-gf9e5c02	Apache-2.0
libcore/core-libart	undefined	GPL-2.0-with-classpath-exception
libcore/core-obj	undefined	GPL-2.0-with-classpath-exception
libcore/libjavacore	undefined	GPL-2.0-with-classpath-exception
libcore/libopenjdk	undefined	GPL-2.0-with-classpath-exception
libnativehelper/libnativehelper	android-7.0.0_r36-4-g27155ef	Apache-2.0
packages/apps/adbtcpipmode/adbtcpipmode	2d6469c	Apache-2.0
packages/apps/bluetooth/bluetooth	android-7.1.2_r11-469-gfe35482	Apache-2.0
packages/apps/bluetooth/jni/libbluetooth_jni	android-7.1.2_r11-470-g7d315a6	Apache-2.0
packages/apps/browser2/browser2	android-7.0.0_r36-4-g1e26050	BSD

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
packages/apps/calendar/calendar	android-7.0.0_r36-11-g5cc0c0f	Apache-2.0
packages/apps/carrierconfig/carrierconfig	undefined	BSDlike, Apache-2.0
packages/apps/cellbroadcastreceiver/cellbroadcastreceiver	android-7.1.2_r36-45-g7cb4210	Apache-2.0
packages/apps/certinstaller/certinstaller	android-7.1.2_r36-8-g82d1a17	Apache-2.0
packages/apps/cmfilemanager/cmfilemanager	a0e60cc	Apache-2.0
packages/apps/contacts/contacts	android-cts-7.0_r30-162-g279df86	Apache-2.0
packages/apps/deskclock/deskclock	android-7.1.2_r36-49-g9dd3ff3	Apache-2.0
packages/apps/dialer/dialer	android-7.1.2_r36-436-g0bb44a0	Apache-2.0
packages/apps/email/email	android-7.1.2_r36-78-g78f554a	Apache-2.0
packages/apps/emergencyinfo/emergencyinfo	android-7.0.0_r36-44-g33f69ff	Apache-2.0
packages/apps/exactcalculator/exactcalculator	android-7.1.2_r36-20-gdd44acf	Apache-2.0
packages/apps/exchange/exchange2	android-6.0.1_r17-15-g9e2d7c4	Apache-2.0
packages/apps/fmradio/jni/fmr/libfmjni	android-6.0.1_r68-31-g0ac2bfc	Apache-2.0
packages/apps/htmlviewer/htmlviewer	android-7.0.0_r36	Apache-2.0
packages/apps/keychain/keychain	android-7.1.2_r36-5-gbe11740	Apache-2.0
packages/apps/launcher3/launcher3	android-cts-7.1_r26-94-g5d0f0d1	Apache-2.0
packages/apps/managedprovisioning/managedprovisioning	android-cts-7.0_r30-56-g4c1ddfb	Apache-2.0
packages/apps/mms/mms	android-cts-5.0_r9-992-g4e15fde	Apache-2.0
packages/apps/musicfx/musicfx	android-cts-7.1_r26-11-g51830fc	Apache-2.0
packages/apps/onetimeinitializer/onetimeinitializer	android-7.0.0_r36	Apache-2.0
packages/apps/packageinstaller/packageinstaller	android-7.1.2_r33-139-g36c54e6	Apache-2.0
packages/apps/protips/protips	android-7.0.0_r36	Apache-2.0
packages/apps/quicksearchbox/quicksearchbox	android-cts-7.1_r26-8-gabcc224	Apache-2.0
packages/apps/settings/settings	android-7.1.2_r17-615-g5e9154b	Apache-2.0
packages/apps/snapdragoncamera/jni/libjni_snapcammosaic	683e69b	Apache-2.0
packages/apps/snapdragoncamera/jni/libjni_snapcamtinyplanet	683e69b	Apache-2.0
packages/apps/snapdragoncamera/snapdragoncamera	683e69b	Apache-2.0
packages/apps/snapdragongallery/jni/libjni_gallery_eglfence	3b94313	Apache-2.0
packages/apps/snapdragongallery/jni/libjni_gallery_filters	3b94313	Apache-2.0
packages/apps/snapdragongallery/jni_pegstream/libjni_gallery_pegstream	3b94313	Apache-2.0
packages/apps/snapdragongallery/snapdragongallery	3b94313	Apache-2.0
packages/apps/snapdragonmusic/snapdragonmusic	89ffd1f	Apache-2.0
packages/apps/soundrecorder/soundrecorder	android-7.0.0_r36-41-g8b7d4b3	Apache-2.0
packages/apps/stk/stk	android-7.1.2_r36-37-gf1fb86d	Apache-2.0
packages/apps/storage manager/storage manager	android-7.1.2_r36-22-g8fbb385	Apache-2.0

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
packages/apps/tca400-haltests/tca400-haltests	f2ae903	Apache-2.0
packages/inputmethods/latinime/java/latinime	android-7.1.2_r36-47-ge41c6fa	Apache-2.0
packages/inputmethods/latinime/native/jni/libjni_latinime	android-7.1.2_r36-47-ge41c6fa	Apache-2.0
packages/inputmethods/openwnn/libs/libwnndictionary/libwnndict	android-7.0.0_r36-10-gfee4ddc	Apache-2.0
packages/inputmethods/openwnn/libs/libwnnengdic/libwnnengdic	android-7.0.0_r36-10-gfee4ddc	Apache-2.0
packages/inputmethods/openwnn/libs/libwnnpjndic/libwnnpjndic	android-7.0.0_r36-10-gfee4ddc	Apache-2.0
packages/inputmethods/openwnn/openwnn	android-7.0.0_r36-10-gfee4ddc	Apache-2.0
packages/providers/blockednumberprovider/blockednumberprovider	android-cts-7.1_r26-3-gc644e77	Apache-2.0
packages/providers/bookmarkprovider/bookmarkprovider	android-7.0.0_r36	Apache-2.0
packages/providers/calendarprovider/calendarprovider	android-7.0.0_r36-9-gb6bd94d	Apache-2.0
packages/providers/calllogprovider/calllogbackup	android-cts-7.1_r26-3-g76520bf	Apache-2.0
packages/providers/contactsprovider/contactsprovider	android-7.1.2_r36-76-g0c650c8	Apache-2.0
packages/providers/downloadprovider/downloadprovider	android-7.1.2_r17-71-g77bfe6c	Apache-2.0
packages/providers/downloadprovider/ui/downloadproviderui	android-7.1.2_r17-71-g77bfe6c	Apache-2.0
packages/providers/mediaprovider/mediaprovider	android-7.1.2_r17-28-gb544c5a	Apache-2.0
packages/providers/telephonyprovider/telephonyprovider	android-7.1.2_r36-68-ge585160	Apache-2.0
packages/providers/userdictionaryprovider/userdictionaryprovider	android-7.1.2_r36-5-gfd386fb	Apache-2.0
packages/screensavers/basic/basicdreams	undefined	Apache-2.0
packages/screensavers/phototable/phototable	undefined	Apache-2.0
packages/services/mms/mmservice	android-7.1.2_r36-5-gb5e333e	Apache-2.0
packages/services/telecomm/telecom	android-7.1.2_r36-206-g8429e93	Apache-2.0
packages/services/telephony/teleservice	android-7.1.2_r36-362-g18541df	Apache-2.0
packages/wallpapers/livepicker/livewallpaperspicker	android-7.1.2_r36-10-g63cc571	Apache-2.0
prebuilts/misc/android-arm/gdbserver/gdbserver	android-7.0.0_r36-42-ge9ef490	GPL-v2
prebuilts/sdk/tools/libllvm	undefined	NCSA
system/bin/powertop	unknown	GPL-v2
system/bt/audio_a2dp_hw/audio.a2dp.default	android-7.1.2_r6-726-ge661930	Apache-2.0
system/bt/audio_a2dp_hw/libbthost_if	android-7.1.2_r6-726-ge661930	Apache-2.0
system/bt/main/bluetooth.default	android-7.1.2_r6-726-ge661930	Apache-2.0
system/bt/service/bluetoothtd_test	android-7.1.2_r6-726-ge661930	Apache-2.0
system/bt/test/blegatt_test/gatt_test	android-7.1.2_r6-726-ge661930	Apache-2.0
system/bt/test/bluedroidtest/bdt	android-7.1.2_r6-726-ge661930	Apache-2.0
system/bt/test/l2test_ertm/l2test_ertm	android-7.1.2_r6-726-ge661930	Apache-2.0
system/bt/test/mcap_tool/mcap_tool	android-7.1.2_r6-726-ge661930	Apache-2.0

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
system/bt/test/rfcommtest/rfc	android-7.1.2_r6-726-ge661930	Apache-2.0
system/core/adb/adbd	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/base/libbase	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/bootstat/bootstat	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/debuggerd/debuggerd	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/gatekeeperd/gatekeeperd	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/healthd/healthd	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/init/init	android-7.1.2_r11-304-g02083bf	Apache-2.0
system/core/libbacktrace/backtrace_test	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libbacktrace/libbacktrace	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libbacktrace/libbacktrace_test	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libcutils/libcutils	android-7.1.2_r11-316-g98a4e17	BSDlike, Apache-2.0, MITlike
system/core/libdiskconfig/libdiskconfig	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/liblog/liblog	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/libmemtrack/libmemtrack	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libmemunreachable/libmemunreachable	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libnativebridge/libnativebridge	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libnativeloader/libnativeloader	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libnetutils/dhcptool	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/libnetutils/libnetutils	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/libpackagelistparser/libpackagelistparser	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libpixelflinger/libpixelflinger	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/libprocessgroup/libprocessgroup	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libsparse/libsparse	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libsuspend/libsuspend	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libsync/libsync	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libsysutils/libsysutils	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libusbhost/libusbhost	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/libutils/libutils	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/lmkd/lmkd	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/logcat/logcat	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/logd/logd	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/logwrapper/liblogwrap	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/logwrapper/logwrapper	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/reboot/reboot	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/run-as/run-as	android-7.1.2_r11-316-g98a4e17	Apache-2.0
system/core/sdcard/sdcard	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/core/toolbox/grep	android-7.1.2_r11-316-g98a4e17	BSDlike
system/core/toolbox/r	android-7.1.2_r11-316-g98a4e17	BSDlike
system/core/toolbox/toolbox	android-7.1.2_r11-316-g98a4e17	BSDlike

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
system/core/tzdatacheck/tzdatacheck	android-7.1.2_r11-303-g80b985b	Apache-2.0
system/etc/recovery-resource	unknown	Apache-2.0
system/etc/security/otacerts	unknown	Apache-2.0
system/extras/anrdaemon/anrd	android-7.0.0_r36-86-g24845dc	BSDlike
system/extras/cpustats/cpustats	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/ext4_utils/libext4_utils	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/ext4_utils/make_ext4fs	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/ext4_utils/setup_fs	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/f2fs_utils/libf2fs_sparseblock	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/f2fs_utils/make_f2fs	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/iotop/iotop	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/ksmutils/ksminfo	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/latencytop/latencytop	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/libpagemap/libpagemap	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/librank/librank	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/memory_replay/memory_replay	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/memory_replay/ memory_replay_tests	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/micro_bench/micro_bench	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/micro_bench/ micro_bench_static	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/multinetwork/dnschk	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/multinetwork/httpurl	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/pagecache/dumpcache	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/perfprofd/perfprofd	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/procmem/procmem	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/procrank/procrank	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/puncture_fs/puncture_fs	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/sane_schedstat/sane_schedstat	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/showmap/showmap	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/showslab/showslab	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/simpleperf/simpleperf	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/su/su	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/taskstats/taskstats	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/tests/memtest/memtest	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/extras/tests/schedtest/schedtest	android-7.0.0_r36-86-g24845dc	Apache-2.0
system/gatekeeper/libgatekeeper	android-7.0.0_r36	Apache-2.0
system/keymaster/libkeymaster1	android-7.0.0_r36-19-ge8be251	Apache-2.0
system/keymaster/libkeymaster_messages	android-7.0.0_r36-19-ge8be251	Apache-2.0
system/keymaster/libsoftkeymasterdevice	android-7.0.0_r36-19-ge8be251	Apache-2.0
system/lib/crtbegin_so	unknown	BSDlike
system/lib/crtend_so	unknown	BSDlike

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
system/lib/modules/ansi_cpnrng	unknown	GPL-v2
system/lib/modules/mcDrvModule	unknown	GPL-v2
system/lib/modules/mcKernelApi	unknown	GPL-v2
system/media/alsa_utils/libalsautils	android-7.1.2_r36-57-g4fcf1a9	Apache-2.0
system/media/audio_route/libaudioroute	android-7.1.2_r36-57-g4fcf1a9	BSDlike
system/media/audio_utils/libaudioutils	android-7.1.2_r36-57-g4fcf1a9	Apache-2.0
system/media/audio_utils/spdif/libaudiospdif	android-7.1.2_r36-57-g4fcf1a9	Apache-2.0
system/media/camera/src/libcamera_metadata	android-7.1.2_r36-57-g4fcf1a9	Apache-2.0
system/media/radio/src/libradio_metadata	android-7.1.2_r36-57-g4fcf1a9	Apache-2.0
system/netd/client/libnetd_client	android-7.1.2_r36-61-ga4fa6b0	Apache-2.0
system/netd/server/libnetdaidl	android-7.1.2_r36-61-ga4fa6b0	Apache-2.0
system/netd/server/ndc	android-7.1.2_r36-61-ga4fa6b0	Apache-2.0
system/netd/server/netd	android-7.1.2_r36-61-ga4fa6b0	Apache-2.0
system/security/keystore-engine/libkeystore-engine	android-cts-7.0_r30-13-g44ebcce	Apache-2.0
system/security/keystore/keystore	android-cts-7.0_r30-13-g44ebcce	Apache-2.0
system/security/keystore/keystore_cli	android-cts-7.0_r30-13-g44ebcce	Apache-2.0
system/security/keystore/keystore_cli_v2	android-cts-7.0_r30-13-g44ebcce	Apache-2.0
system/security/keystore/libkeystore_binder	android-cts-7.0_r30-13-g44ebcce	Apache-2.0
system/security/softkeymaster/keystore.default	android-cts-7.0_r30-13-g44ebcce	Apache-2.0
system/security/softkeymaster/libsoftkeymaster	android-cts-7.0_r30-13-g44ebcce	Apache-2.0
system/tts/lang_pico/de-DE_gl0_sg	unknown	Apache-2.0
system/tts/lang_pico/de-DE_ta	unknown	Apache-2.0
system/tts/lang_pico/en-GB_kh0_sg	unknown	Apache-2.0
system/tts/lang_pico/en-GB_ta	unknown	Apache-2.0
system/tts/lang_pico/en-US_lh0_sg	unknown	Apache-2.0
system/tts/lang_pico/en-US_ta	unknown	Apache-2.0
system/tts/lang_pico/es-ES_ta	unknown	Apache-2.0
system/tts/lang_pico/es-ES_zl0_sg	unknown	Apache-2.0
system/tts/lang_pico/fr-FR_nk0_sg	unknown	Apache-2.0
system/tts/lang_pico/fr-FR_ta	unknown	Apache-2.0
system/tts/lang_pico/it-IT_cm0_sg	unknown	Apache-2.0
system/tts/lang_pico/it-IT_ta	unknown	Apache-2.0
system/usr/share/bmd/RFFspeed_501	unknown	Apache-2.0
system/usr/share/bmd/RFFstd_501	unknown	Apache-2.0
system/vendor/speccfg/ota	unknown	Apache-2.0
system/vold/secdiscard	android-cts-7.0_r30-51-g094d7e4	BSDlike, Apache-2.0
system/vold/vdc	android-cts-7.0_r30-51-g094d7e4	BSDlike, Apache-2.0
system/vold/vold	android-cts-7.0_r30-51-g094d7e4	BSDlike, Apache-2.0
vendor/codeaurora/telephony/internal/telephony-ext	undefined	BSDlike
vendor/codeaurora/telephony/rcscommon/rcscommon	b4f9b83	BSDlike



TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
vendor/qcom/opensource/bluetooth/bluetoothext	e36116e	BSDlike
vendor/qcom/opensource/bluetooth/btlogsave/btlogsave	e36116e	BSDlike
vendor/qcom/opensource/bluetooth/btsnoop_dump/btsnoop	e36116e	BSDlike
vendor/qcom/opensource/bluetooth/bttestapp/bttestapp	e36116e	BSDlike
vendor/qcom/opensource/bluetooth/hidtestapp/hid	e36116e	BSDlike
vendor/qcom/opensource/bluetooth/qlogging/btlogkit	e36116e	BSDlike
vendor/qcom/opensource/bluetooth/qlogging/jni/libqlogging_jni	e36116e	BSDlike
vendor/qcom/opensource/dataservices/rmnetctl/cli/rmnetcli	6ed645b	BSDlike
vendor/qcom/opensource/dataservices/rmnetctl/src/librmnetctl	6ed645b	BSDlike
vendor/qcom/opensource/dpm/tcmiface	undefined	BSDlike
vendor/qcom/opensource/fm/fmapp2/fm2	1a857d3	BSDlike
vendor/qcom/opensource/fm/jni/libqcomfm_jni	1a857d3	BSDlike
vendor/qcom/opensource/fm/qcom.fmradio	undefined	BSDlike
vendor/qcom/opensource/location/loc_api/ds_api/libloc_ds_api	c1ac53a	BSDlike
vendor/qcom/opensource/location/loc_api/loc_api_v02/libloc_api_v02	c1ac53a	BSDlike
vendor/qcom/opensource/rcs-service/rcs_service_aidl/rcs_service_aidl	undefined	BSDlike, Apache-2.0, MITlike
vendor/qcom/opensource/rcs-service/rcs_service_api/rcs_service_api	undefined	BSDlike, Apache-2.0, MITlike
vendor/qcom/opensource/softap/softap/jni/libqwifisoftapcfg	f4e6d19	BSDlike
vendor/qcom/opensource/softap/softap/sdk/libqsap_sdk	f4e6d19	BSDlike
vendor/qcom/opensource/wlan/qcacl2-2.0/qca_cld_wlan.ko	b911c8b	BSDlike, MITlike
vendor/qcom/proprietary/android-perf/core-ctl/core_ctl.ko	022acb6	BSDlike
vendor/qcom/proprietary/bt/btmultisim/btmultisim	022acb6	Apache-2.0
vendor/qcom/proprietary/bt/btmultisim/btmultisimlibrary	022acb6	Apache-2.0
vendor/qcom/proprietary/bt/hci_qcomm_init/btnvtool	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/hci_qcomm_init	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/libbtv	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/rome/nvm_tlv.bin	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/rome/nvm_tlv_1.3.bin	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/rome/nvm_tlv_2.1.bin	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/rome/nvm_tlv_3.0.bin	022acb6	BSDlike, MITlike

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
vendor/qcom/proprietary/bt/hci_qcomm_init/rome/nvm_tlv_3.2.bin	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/rome/rampatch_tlv.img	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/rome/rampatch_tlv_1.3.tlv	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/rome/rampatch_tlv_2.1.tlv	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/rome/rampatch_tlv_3.0.tlv	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/rome/rampatch_tlv_3.2.tlv	022acb6	BSDlike, MITlike
vendor/qcom/proprietary/bt/hci_qcomm_init/wcnss_filter/wcnss_filter	022acb6	Apache-2.0
vendor/qcom/proprietary/csm/csm	022acb6	Apache-2.0
vendor/qcom/proprietary/fastmmi/libmmi/libmmi	022acb6	Apache-2.0
vendor/qcom/proprietary/fastmmi/module/light/mmi_light	022acb6	Apache-2.0
vendor/qcom/proprietary/fastmmi/module/sensor/mmi_sensor	022acb6	Apache-2.0
vendor/qcom/proprietary/gps/framework/native/core/liblbs_core	022acb6	Apache-2.0, MITlike
vendor/qcom/proprietary/gps/framework/native/framework-glue/liblocationservice_glue	022acb6	Apache-2.0, MITlike
vendor/qcom/proprietary/gps/framework/native/lcp/data-items/libdataitems	022acb6	Apache-2.0, MITlike
vendor/qcom/proprietary/gps/framework/native/lcp/liblocationservice	022acb6	Apache-2.0, MITlike
vendor/qcom/proprietary/gps/vzwgpslocationprovider/com.qualcomm.location.vzw_library	022acb6	Apache-2.0
vendor/qcom/proprietary/gps/vzwgpslocationprovider/loc_ext/libloc_ext	022acb6	Apache-2.0
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_bluetooth_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_general_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_global_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_handset_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_hdmi_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_headset_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_speaker_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_wcd9326_bluetooth_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_wcd9326_general_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_wcd9326_global_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_wcd9326	022acb6	BSDlike



TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
_handset_cal.acdb		
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_wcd9326_hdmi_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_wcd9326_headset_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/mtp_wcd9326_speaker_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_bluetooth_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_general_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_global_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_handset_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_hdmi_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_headset_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skue_bluetooth_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skue_general_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skue_global_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skue_handset_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skue_hdmi_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skue_headset_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skue_speaker_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skut_bluetooth_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skut_general_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skut_global_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skut_handset_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skut_hdmi_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skut_headset_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/acbdbdata/8909/qr_d_skut_speaker_cal.acdb	022acb6	BSDlike

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
vendor/qcom/proprietary/mm-audio/audcal/family-b/acdbdata/8909/qr_d_speaker_cal.acdb	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audcal/family-b/libaudcal	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audio-acdb-util/acdb-fts/libacdb-fts	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audio-acdb-util/acdb-loader/libacdbloader	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audio-acdb-util/acdb-mapper/libacdbmapper	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audio-acdb-util/acdb-rtac/libacdbrtac	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audio-acdb-util/adie-rtac/libadiertac	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audio-alsa/libaudioalsa	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audio-alsa/mm-audio-alsa-test	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/audio-effects/dolby/ds2/libhwdaphal	022acb6	Apache-2.0
vendor/qcom/proprietary/mm-audio/audio-listen/framework/jni/liblistenjni	022acb6	Apache-2.0
vendor/qcom/proprietary/mm-audio/audio-measurement/native-audio-latency/jni/libnative_audio_latency_jni	022acb6	Apache-2.0
vendor/qcom/proprietary/mm-audio/audio-measurement/native-audio-latency/nativeaudiolateny	022acb6	Apache-2.0
vendor/qcom/proprietary/mm-audio/audio_ftm/family-b/mm-audio-ftm	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/omx/adece-aac/qdsp6/libomxaacdec	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/omx/adece-aac/qdsp6/mm-adece-omxaac-test	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/omx/adece-flac/libstagefright_soft_flacdec	022acb6	Apache-2.0, MITlike
vendor/qcom/proprietary/mm-audio/smwrapper/libsmwrapper	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/sound_trigger/sound_trigger_hal/sound_trigger.primary.msm8909	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/surround_sound/filter1i.pcm	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/surround_sound/filter1r.pcm	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/surround_sound/filter2i.pcm	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/surround_sound/filter2r.pcm	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/surround_sound/filter3i.pcm	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/surround_sound/filter3r.pcm	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/surround_sound/filter4i.pcm	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/surround_sound/filter4r.pcm	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/surround_sound/libsurround_proc	022acb6	BSDlike

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
vendor/qcom/proprietary/mm-audio/surround_sound/surround_sound_headers	022acb6	BSDlike
vendor/qcom/proprietary/mm-audio/voice-svc/libvoice-svc	022acb6	BSDlike
vendor/qcom/proprietary/mm-still/jpeg2/jpeg_hw_10/jpegd_hw/libjpegdhw	022acb6	IJG
vendor/qcom/proprietary/mm-still/jpeg2/jpeg_hw_10/jpege_hw/libjpegehw	022acb6	IJG
vendor/qcom/proprietary/mm-still/jpeg2/libmmjpeg	022acb6	IJG
vendor/qcom/proprietary/qcril/common/uim/remote_simlock/lib_remote_simlock	022acb6	Apache-2.0
vendor/qcom/proprietary/qcril/libril-qc-qmi-1	022acb6	Apache-2.0
vendor/qcom/proprietary/qcril/librilqmiservices	022acb6	Apache-2.0
vendor/qcom/proprietary/qcril/qcril_database/qcril.db	022acb6	Apache-2.0
vendor/qcom/proprietary/qcril/qcrilhook_oem/libril-qcril-hook-oem	022acb6	Apache-2.0
vendor/qcom/proprietary/qcril/settingsd/libsettings	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/china/chinamobile/apps/10086cn/10086cn	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/china/chinamobile/apps/backup/backup	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/china/chinamobile/apps/backupreceiver/backupreceiver	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/china/chinamobile/apps/cmcccustomerservice/cmcccustomerservice	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/china/chinatelecom/apps/customerservice/customerservice	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/configurationclient/configurationclient	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/configurationclient/demo/omacpdemolauncher/configurationclientdemo	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/deviceinfo/deviceinfo	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/extsettings/extsettings	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/launcherunreadservice/launcherunreadservice	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/networkcontrol/networkcontrol	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/notepad/notepad2	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/omadrmengine/java/apps/omadrmengine/omadrmengine	022acb6	Apache-2.0, MITlike
vendor/qcom/proprietary/qrdplus/extension/apps/omadrmengine/java/apps/omadrmenginedemo/omadrmenginedemo	022acb6	Apache-2.0, MITlike
vendor/qcom/proprietary/qrdplus/extension/apps/omadrmengine/java/apps/omadrmengineserver/omadrmengineserver	022acb6	Apache-2.0, MITlike
vendor/qcom/proprietary/qrdplus/extension/apps/omadrmengine/native/engine/libomadrmengine	022acb6	Apache-2.0, MITlike

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
vendor/qcom/proprietary/qrdplus/extension/apps/omadmengine/native/util/libomadrmutils_jni	022acb6	Apache-2.0, MITlike
vendor/qcom/proprietary/qrdplus/extension/apps/phonefeatures/phonefeatures	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/poweronalert/poweronalert	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/setupwizard/setup_wizard	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/extension/apps/timerswitchsettings/timerswitch	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/global/regional/rjil/res/systemui/rjilssystemuires	022acb6	Apache-2.0
vendor/qcom/proprietary/qrdplus/global/regional/rjil/system/callsettings/rjilcallsettings	022acb6	Apache-2.0
vendor/qcom/proprietary/sensors/dsps/sensor_calibration/sensor_calibrate	022acb6	BSDlike
vendor/qcom/proprietary/telephony-apps/cdmacallforwardwaiting/cdmacalloptions	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-apps/conferencedialer/conferencedialer	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-apps/ims/ims	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-apps/ims/jni/camera/libimscamera_jni	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-apps/ims/jni/media/libimsmmedia_jni	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-apps/ims/settings/imssettings	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-apps/modemtestmode/modemtestmode	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-apps/networksetting/networksetting	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-apps/simcontacts/simcontacts	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-apps/simsettings/simsettings	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-apps/xdivert/xdivert	022acb6	Apache-2.0
vendor/qcom/proprietary/telephony-fwk/opt/telephony/qti-telephony-common	022acb6	Apache-2.0
vendor/qcom/proprietary/wfd/mm/wfdavenhancements/libwfdavenhancements	022acb6	Apache-2.0
vendor/qcom/proprietary/wfd/wdsm/client/wfdclient	022acb6	Apache-2.0
vendor/qcom/proprietary/wfd/wdsm/service/jni/libextendedremotedisplay	022acb6	Apache-2.0
vendor/qcom/proprietary/wfd/wdsm/service/jni/libwfdnative	022acb6	Apache-2.0
vendor/qcom/proprietary/wfd/wdsm/service/wfdcommon	022acb6	Apache-2.0
vendor/qcom/proprietary/wfd/wdsm/service/wfdservice	022acb6	Apache-2.0
vendor/qcom/proprietary/wlan/utls/athdiag/athdiag	022acb6	BSD, MITlike
vendor/qcom/proprietary/wlan/utls/cnssdiag/cnss_diag	022acb6	BSD, MITlike

TCA400COM v3.5  
Open Source Report



Module Name	Module Version	Module License
vendor/qcom/proprietary/wlan/utills/halproxydaemon/hal_proxy_daemon	022acb6	BSD, MITlike
vendor/qcom/proprietary/wlan/utills/pktlog/pktlogconf	022acb6	BSD, MITlike
vendor/qcom/proprietary/wlan/utills/wifilogger/wifilogger_app	022acb6	BSD, MITlike