



# Sierra Wireless Source Licenses

WP77xx Release 13

Legato Release 19.11.2

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## SOURCE CODE LICENSES – LEGATO APPLICATION FRAMEWORK

The Legato Application Framework is licensed under [Mozilla Public License Version 2.0 \(MPLv2\)](#). There are exceptions that are handled on a case-by-case basis and are documented in the source code. For the current list of exceptions visit [legato.io](https://legato.io).

## SOURCE CODE LICENSES – LINUX DISTRO

### Licensing Notes

GDB server is licensed under GPLv2 and GPLv3 Licenses. As of Legato 16.10.3, gdbserver has been removed from the Linux Distro and the binaries have been added to the Legato AF App, devMode. There is no longer any need to rebuild the Linux Kernel before deploying Target Devices to production. See [devMode](#) and [how to debug with GDB](#) for help on installing and using GDB in the Legato AF.

The following packages are licensed under GPLv3 with GCC Exception. See [GCC Runtime Library Exception](#)

- libgcc, (version listed in the table below)

The following packages can be licensed under [GPLv2](#) OR [GPLv3](#), per customer preference as specified in the source file headers.

- dnsmasq, (version listed in the table below)

The following tables contain the source packages, version and applicable license that are used to build the Linux Distro for WP and AR Devices.

### WP77xx Series Modules

Package	Version	Recipe	License
acdbloader	git	acdbloader	Qualcomm-Technologies-Inc.-Proprietary
acdbmapper	git	acdbmapper	Qualcomm-Technologies-Inc.-Proprietary
acdbrtac	git	acdbrtac	Qualcomm-Technologies-Inc.-Proprietary
adiertac	git	adiertac	Qualcomm-Technologies-Inc.-Proprietary
alsa-intf	1.0	alsa-intf	Apache-2.0
attr	2.4.47	attr	GPLv2+
audcal	git	audcal	Qualcomm-Technologies-Inc.-Proprietary
audcaltests	git	audcaltests	Qualcomm-Technologies-Inc.-Proprietary
audioalsa	git	audioalsa	Qualcomm-Technologies-Inc.-Proprietary
base-files	3.0.14	base-files	GPLv2
base-passwd	3.5.29	base-passwd	GPLv2+

Package	Version	Recipe	License
bluez5	5.50	bluez5	GPLv2+ & LGPLv2.1+
bridge-utils	1.6	bridge-utils	GPLv2
bsdiff	4.3-21	bsdiff	BSD
bsdtar	3.3.2	libarchive	BSD
busybox	1.27.2	busybox	GPLv2 & bzip2
busybox-inittab	1.27.2	busybox-inittab	GPLv2
busybox-syslog	1.27.2	busybox	GPLv2 & bzip2
busybox-udhcpd	1.27.2	busybox	GPLv2 & bzip2
bzip2	1.0.6	bzip2	bzip2
ca-certificates	20170717	ca-certificates	GPL-2.0+ & MPL-2.0
configdb	git	configdb	Qualcomm-Technologies-Inc.-Proprietary
conntrack-tools	1.4.4	conntrack-tools	GPLv2+
crda	3.18	crda	copyleft-next-0.3.0
cryptsetup	1.7.4	cryptsetup	GPL-2.0-with-OpenSSL-exception
curl	7.61.0	curl	MIT
data	git	data	Qualcomm-Technologies-Inc.-Proprietary
data-embms	git	data	Qualcomm-Technologies-Inc.-Proprietary
data-netmgrd	git	data	Qualcomm-Technologies-Inc.-Proprietary
data-oss	git	data-oss	BSD
data-port-bridge	git	data	Qualcomm-Technologies-Inc.-Proprietary
data-qcmap	git	data	Qualcomm-Technologies-Inc.-Proprietary
data-qmi-ip-multi	git	data	Qualcomm-Technologies-Inc.-Proprietary
data-qt	git	data	Qualcomm-Technologies-Inc.-Proprietary
dbus	1.12.2	dbus	AFL-2   GPLv2+
dbus-lib	1.12.2	dbus	AFL-2   GPLv2+
diag	git	diag	Qualcomm-Technologies-Inc.-Proprietary
diag-reboot-app	git	diag-reboot-app	Qualcomm-Technologies-Inc.-Proprietary
dnsmasq	2.78	dnsmasq	GPLv2   GPLv3
dropbear	2017.75	dropbear	MIT & BSD-3-Clause & BSD-2-Clause & PD
dsutils	git	dsutils	Qualcomm-Technologies-Inc.-Proprietary

Package	Version	Recipe	License
embms-kernel	git	embms-kernel	ISC
expat	2.2.5	expat	MIT
fs-scrub-daemon	1.0	fs-scrub-daemon	Qualcomm-Technologies-Inc.-Proprietary
glib-2.0	2.54.3	glib-2.0	LGPLv2.1+ & BSD & PD
glibc	2.27	glibc	GPLv2 & LGPLv2.1
gps-utils	git	gps-utils	BSD
hostapd	2.6	hostapd	GPLv2   BSD
i2c-tools	4.0	i2c-tools	GPLv2+
i2cgpioctl	1.0	i2cgpioctl	GPLv2
ima-evm-utils	1.1	ima-evm-utils	GPL-2.0-with-OpenSSL-exception
init-ifupdown	1.0	init-ifupdown	GPLv2
init-mss	git	init-mss	BSD
initscripts	1.0	initscripts	GPLv2
initscripts-functions	1.0	initscripts	GPLv2
initscripts-runenv	1.0	initscripts	GPLv2
iproute2	4.14.1	iproute2	GPLv2+
iproute2-tc	4.14.1	iproute2	GPLv2+
iptables	1.6.2	iptables	GPLv2+
iw	4.14	iw	BSD
json-c	0.13	json-c	MIT
kernel-base	3.18.140	linux-quic	GPLv2
kernel-module-ansi-cprng	3.18.140	linux-quic	GPLv2
kernel-module-arc4	3.18.140	linux-quic	GPLv2
kernel-module-at803x	3.18.140	linux-quic	GPLv2
kernel-module-ath3k	3.18.140	linux-quic	GPLv2
kernel-module-bluetooth	3.18.140	linux-quic	GPLv2
kernel-module-bluetooth-power	3.18.140	linux-quic	GPLv2
kernel-module-bmi160	3.18.140	linux-quic	GPLv2
kernel-module-bnep	3.18.140	linux-quic	GPLv2
kernel-module-btsdio	3.18.140	linux-quic	GPLv2

Package	Version	Recipe	License
kernel-module-btusb	3.18.140	linux-quic	GPLv2
kernel-module-ccm	3.18.140	linux-quic	GPLv2
kernel-module-cfg80211	3.18.140	linux-quic	GPLv2
kernel-module-cnss-common	3.18.140	linux-quic	GPLv2
kernel-module-cnss-secif	3.18.140	linux-quic	GPLv2
kernel-module-crc7	3.18.140	linux-quic	GPLv2
kernel-module-ctr	3.18.140	linux-quic	GPLv2
kernel-module-embms-kernel	git	embms-kernel	ISC
kernel-module-ftdi-sio	3.18.140	linux-quic	GPLv2
kernel-module-gpio-axis	3.18.140	linux-quic	GPLv2
kernel-module-gpio-event	3.18.140	linux-quic	GPLv2
kernel-module-gpio-input	3.18.140	linux-quic	GPLv2
kernel-module-gpio-matrix	3.18.140	linux-quic	GPLv2
kernel-module-gpio-output	3.18.140	linux-quic	GPLv2
kernel-module-hci-uart	3.18.140	linux-quic	GPLv2
kernel-module-hci-vhci	3.18.140	linux-quic	GPLv2
kernel-module-hidp	3.18.140	linux-quic	GPLv2
kernel-module-hostap	3.18.140	linux-quic	GPLv2
kernel-module-lib80211	3.18.140	linux-quic	GPLv2
kernel-module-lib80211-crypt-ccmp	3.18.140	linux-quic	GPLv2
kernel-module-lib80211-crypt-tkip	3.18.140	linux-quic	GPLv2
kernel-module-lib80211-crypt-wep	3.18.140	linux-quic	GPLv2
kernel-module-mac80211	3.18.140	linux-quic	GPLv2
kernel-module-michael-mic	3.18.140	linux-quic	GPLv2
kernel-module-mmc-block-test	3.18.140	linux-quic	GPLv2
kernel-module-mmc-test	3.18.140	linux-quic	GPLv2
kernel-module-qca8337	3.18.140	linux-quic	GPLv2
kernel-module-qcom-emac	3.18.140	linux-quic	GPLv2
kernel-module-quota-tree	3.18.140	linux-quic	GPLv2
kernel-module-quota-v1	3.18.140	linux-quic	GPLv2

Package	Version	Recipe	License
kernel-module-quota-v2	3.18.140	linux-quic	GPLv2
kernel-module-rfcomm	3.18.140	linux-quic	GPLv2
kernel-module-seqiv	3.18.140	linux-quic	GPLv2
kernel-module-test-iosched	3.18.140	linux-quic	GPLv2
kernel-module-usbserial	3.18.140	linux-quic	GPLv2
kernel-module-wl18xx	3.18.140	linux-quic	GPLv2
kernel-module-wlan	git	qcacl-d-hl	ISC
kernel-module-wlcore	3.18.140	linux-quic	GPLv2
kernel-module-wlcore-sdio	3.18.140	linux-quic	GPLv2
kernel-module-xt-physdev	3.18.140	linux-quic	GPLv2
kernel-modules	3.18.140	linux-quic	GPLv2
keyutils	1.5.10	keyutils	GPL-2.0
legato-init	1.0	legato-init	MPL-2.0
libarchive	3.3.2	libarchive	BSD
libattr	2.4.47	attr	LGPLv2.1+
libbz2	1.0.6	bzip2	bzip2
libcap	2.25	libcap	BSD   GPLv2
libcap-bin	2.25	libcap	BSD   GPLv2
libcrypto	1.0.2p	openssl	openssl
libcurl	7.61.0	curl	MIT
libdevmapper	2.02.171	libdevmapper	GPLv2 & LGPLv2
libelf	0.170	elfutils	(GPLv3 & Elfutils-Exception)
libffi	3.2.1	libffi	MIT
libgcc	7.3.0	libgcc	GPL-3.0-with-GCC-exception
liblzma	5.2.3	xz	PD
libmnl	1.0.4	libmnl	LGPLv2.1+
libnetfilter-contrack	1.0.6	libnetfilter-contrack	GPLv2+
libnetfilter-cthelper	1.0.0	libnetfilter-cthelper	GPLv2+
libnetfilter-cttimeout	1.0.0	libnetfilter-cttimeout	GPLv2+
libnetfilter-queue	1.0.2+git981025e103d887fb6a9c9bb49c74ec323108d098	libnetfilter-queue	GPLv2+



Package	Version	Recipe	License
libnfnetwork	1.0.1	libnfnetwork	GPLv2+
libnl	3.4.0	libnl	LGPLv2.1
libnl-genl	3.4.0	libnl	LGPLv2.1
libopencore-amr	0.1.3	libopencore-amr	Apache-2.0
libpcap	1.8.1	libpcap	BSD
libpcre	8.41	libpcre	BSD
libpython2	2.7.15	python	PSFv2
libssl	1.0.2p	openssl	openssl
libstdc++	7.3.0	gcc-runtime	GPL-3.0-with-GCC-exception
libudev	3.2.5	eudev	LGPL-2.1+
libvo-amrwbenc	0.1.3	libvo-amrwbenc	Apache-2.0
libxml2	2.9.7	libxml2	MIT
linkmon	1.0	linkmon	MPL-2.0
loc-hal	git	loc-hal	BSD
loc-pla	git	loc-pla	BSD
loc-stub	git	loc-stub	BSD
lvm2-udevrules	2.02.171	lvm2	GPLv2 & LGPLv2
lzo	2.10	lzo	GPLv2+
mbim	git	mbim	Qualcomm-Technologies-Inc.-Proprietary
modem-shutdown	1.0	modem-shutdown	Qualcomm-Technologies-Inc.-Proprietary
modutils-initscripts	1.0	modutils-initscripts	PD
mtd-utils	2.0.1+AUTOINC+9c6173559f	mtd-utils	GPLv2+
mtd-utils-ubifs	2.0.1+AUTOINC+9c6173559f	mtd-utils	GPLv2+
ncurses-libncurses	6.0+20171125	ncurses	MIT
ncurses-libtinfo	6.0+20171125	ncurses	MIT
ncurses-terminfo-base	6.0+20171125	ncurses	MIT
netbase	5.4	netbase	GPLv2
ntpdate	4.2.8p11	ntp	NTP
openssl	1.0.2p	openssl	openssl
openssl-conf	1.0.2p	openssl	openssl

Package	Version	Recipe	License
packagegroup-core-boot	1.0	packagegroup-core-boot	MIT
packagegroup-swi-image-target	1.0	packagegroup-swi-image-target	MIT
pimd	2.3.2	pimd	BSD-3-Clause
popt	1.16	popt	MIT
powerapp	1.0	powerapp	Apache-2.0
powerapp-powerconfig	1.0	powerapp	Apache-2.0
powerapp-reboot	1.0	powerapp	Apache-2.0
powerapp-shutdown	1.0	powerapp	Apache-2.0
ppp	2.4.7	ppp	BSD & GPLv2+ & LGPLv2+ & PD
procps	3.3.12	procps	GPLv2+ & LGPLv2+
psm	git	psm	Qualcomm-Technologies-Inc.-Proprietary
pugixml	1.4	pugixml	MIT
python-core	2.7.15	python	PSFv2
qca9377-bt-firmware	1.1	qca9377-bt-firmware	QCA-TSPA
qcacl-d-hl	git	qcacl-d-hl	ISC
qmi	git	qmi	Qualcomm-Technologies-Inc.-Proprietary
qmi-client-helper	git	qmi-client-helper	Qualcomm-Technologies-Inc.-Proprietary
qmi-framework	git	qmi-framework	Qualcomm-Technologies-Inc.-Proprietary
qmi-shutdown-modem	git	qmi-shutdown-modem	Qualcomm-Technologies-Inc.-Proprietary
qmi-simple-ril	git	qmi-simple-ril	Qualcomm-Technologies-Inc.-Proprietary
qmuxd	git	qmuxd	Qualcomm-Technologies-Inc.-Proprietary
readline	5.2	readline	GPLv2+
reboot-daemon	1.0	reboot-daemon	BSD
rng-tools	5	rng-tools	GPLv2
run-postinsts	1.0	run-postinsts	MIT
shadow	4.2.1	shadow	BSD   Artistic-1.0
shadow-base	4.2.1	shadow	BSD   Artistic-1.0
shadow-securetty	4.2.1	shadow-securetty	MIT
shared-mime-info	1.9	shared-mime-info	GPLv2
sierra	git	sierra	SierraWireless-Proprietary

Package	Version	Recipe	License
sierra-init-qca9377	1.0	sierra-init-qca9377	MPL-2.0
sierra-init-tiwifi	1.0	sierra-init-tiwifi	MPL-2.0
sierra-ks	1.0	sierra-ks	MPL-2.0
sierra-lowtempfix	git	sierra	SierraWireless-Proprietary
sierra-m2m-init	1.0	sierra-m2m-init	SierraWireless-Proprietary
sierra-timeservices	1.0	sierra-timeservices	SierraWireless-Proprietary
start-scripts-find-partitions	1.0	start-scripts-find-partitions	BSD
start-scripts-firmware-links	1.0	start-scripts-firmware-links	BSD
start-scripts-ipa-fws	1.0	start-scripts-ipa-fws	Qualcomm-Technologies-Inc.-Proprietary
start-scripts-mssboot	1.0	start-scripts-mssboot	Qualcomm-Technologies-Inc.-Proprietary
swicert	git	swicert	SierraWireless-Proprietary
swidssd	git	swidssd	SierraWireless-Proprietary
system-core-adbd	1.0	system-core	Apache-2.0
system-core-libcutils	1.0	system-core	Apache-2.0
system-core-liblog	1.0	system-core	Apache-2.0
system-core-usb	1.0	system-core	Apache-2.0
thermal-engine	git	thermal-engine	Qualcomm-Technologies-Inc.-Proprietary
ti-wifi-utils-wl18xx	R8.6+gitAUTOINC+cf8965aad7	ti-wifi-utils-wl18xx	BSD
time-genoff	git	time-genoff	Qualcomm-Technologies-Inc.-Proprietary
time-services	git	time-services	Qualcomm-Technologies-Inc.-Proprietary
tzdata	2018d	tzdata	PD & BSD & BSD-3-Clause
tzone-utils	1.0	tzone-utils	MPLv2
update-alternatives-opkg	0.3.6	opkg-utils	GPLv2+
update-ld-cache	1.0	update-ld-cache	MPLv2
update-rc.d	0.7	update-rc.d	GPLv2+
util-linux-libblkid	2.32.1	util-linux	GPLv2+ & LGPLv2.1+ & BSD
util-linux-libmount	2.32.1	util-linux	GPLv2+ & LGPLv2.1+ & BSD
util-linux-libuuid	2.32.1	util-linux	GPLv2+ & LGPLv2.1+ & BSD
util-linux-sulogin	2.32.1	util-linux	GPLv2+ & LGPLv2.1+ & BSD
wl18xx-firmware	r8.a9.14	wl18xx-firmware	TI-TSPA

Package	Version	Recipe	License
wpa-supPLICant	2.6	wpa-supPLICant	BSD
wpa-supPLICant-cli	2.6	wpa-supPLICant	BSD
wpa-supPLICant-passphrase	2.6	wpa-supPLICant	BSD
xmlLib	git	xmlLib	Qualcomm-Technologies-Inc.-Proprietary
zlib	1.2.11	zlib	Zlib

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

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```
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GCC RUNTIME LIBRARY EXCEPTION  
Version 3.1, 31 March 2009

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Version 2.1, February 1999

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Version 3, 29 June 2007

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