

# BF\_PLATFORM\_BMC:BFBMC-24.10-LTSU4 - Embedded Software Components

Component name	Component version name	Home Page	License names
Bash	5.2	<a href="http://www.gnu.org/software/bash/">http://www.gnu.org/software/bash/</a>	GNU General Public License v2.0 or later
Boost C++ Libraries - boost	1.79.0	<a href="https://www.boost.org/">https://www.boost.org/</a>	Boost Software License 1.0
Bzip2	1.0.8	<a href="http://www.bzip.org/">http://www.bzip.org/</a>	Bzip2 License
D-Bus	1.14.10	<a href="http://www.freedesktop.org/wiki/Software/dbus">http://www.freedesktop.org/wiki/Software/dbus</a>	(GNU General Public License v2.0 or later AND Academic Free License v2.1)
Dnsmasq	2.90	<a href="http://www.thekelleys.org.uk/dnsmasq/doc.html">http://www.thekelleys.org.uk/dnsmasq/doc.html</a>	GNU General Public License v2.0 only
FUSE	2.9.9	<a href="http://fuse.sourceforge.net">http://fuse.sourceforge.net</a>	GNU General Public License v2.0 or later
GNU C Library	2.39	<a href="http://www.gnu.org/software/libc/">http://www.gnu.org/software/libc/</a>	GNU Lesser General Public License v2.1 or later
GNU Compiler Collection	releases/gcc-13.2.0	<a href="http://gcc.gnu.org/">http://gcc.gnu.org/</a>	GNU General Public License v2.0 only
IPMI Management Utilities	1.8.1	<a href="https://sourceforge.net/projects/ipmiutil">https://sourceforge.net/projects/ipmiutil</a>	BSD 3-clause "New" or "Revised" License
IPMI Tool	1.8.15	<a href="http://sourceforge.net/projects/ipmitool">http://sourceforge.net/projects/ipmitool</a>	BSD 3-clause "New" or "Revised" License
IPTables	1.8.10	<a href="http://www.netfilter.org/projects/iptables/index.html">http://www.netfilter.org/projects/iptables/index.html</a>	(ISC License AND Artistic License 2.0 AND GNU General Public License v2.0 only)
IPTables	1.8.8	<a href="http://www.netfilter.org/projects/iptables/index.html">http://www.netfilter.org/projects/iptables/index.html</a>	(ISC License AND Artistic License 2.0 AND GNU General Public License v2.0 or later)
Libidn2	2.3.7	<a href="https://www.gnu.org/software/libidn/#libidn2">https://www.gnu.org/software/libidn/#libidn2</a>	GNU Lesser General Public License v3.0 or later
Linux Kernel	6.1.15	<a href="https://kernel.org">https://kernel.org</a>	GNU General Public License v2.0 or later
Linux-Pam	v1.6.1	<a href="http://www.linux-pam.org">http://www.linux-pam.org</a>	(BSD 3-clause "New" or "Revised" License AND GNU General Public License v2.0 or later)
Net-SNMP	v5.9.4	<a href="http://www.net-snmp.org">http://www.net-snmp.org</a>	Net-SNMP License
Netlink Protocol Library Suite (libnl)	3.9.0	<a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a>	GNU Lesser General Public License v2.1 only
Perl	5.38.2	<a href="http://www.perl.org/">http://www.perl.org/</a>	(Artistic License 1.0 OR GNU General Public License v1.0 or later)
Readline	20190107-snapshot-8e6ccd03	<a href="http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html">http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html</a>	GNU General Public License v3.0 or later
Screen	nan	<a href="http://code.google.com/p/screen3d/">http://code.google.com/p/screen3d/</a>	GNU General Public License v2.0 or later
Seccomp Library	v2.5.5	<a href="https://sourceforge.net/projects/libseccomp/">https://sourceforge.net/projects/libseccomp/</a>	GNU Lesser General Public License v2.1 only
Shadow Tool Suite	4.15.0	<a href="https://github.com/shadow-maint/shadow/">https://github.com/shadow-maint/shadow/</a>	GNU General Public License v3.0 or later
U-Boot	2019.04	<a href="https://source.denx.de/u-boot/u-boot">https://source.denx.de/u-boot/u-boot</a>	GNU General Public License v2.0 or later
UEFI shim loader	nan	<a href="https://github.com/rhinstaller/shim">https://github.com/rhinstaller/shim</a>	BSD 2-clause "Simplified" License
XZ Utils	v5.4.6	<a href="http://tukaani.org/xz/">http://tukaani.org/xz/</a>	(Public Domain AND GNU General Public License v2.0 or later)
bridge-utils	1.7.1	<a href="http://www.linuxfoundation.org/en/Net:Bridge">http://www.linuxfoundation.org/en/Net:Bridge</a>	GNU General Public License v2.0 or later
busybox	1.36.1	<a href="https://busybox.net/">https://busybox.net/</a>	GNU General Public License v2.0 only
cracklib	v2.9.7	<a href="http://sourceforge.net/projects/cracklib">http://sourceforge.net/projects/cracklib</a>	GNU Lesser General Public License v2.1 or later
curl	8.7.1	<a href="https://curl.se/">https://curl.se/</a>	curl License
dropbear	2022.82	<a href="https://matt.ucc.asn.au/dropbear/dropbear.html">https://matt.ucc.asn.au/dropbear/dropbear.html</a>	MIT License
elfutils	0.191	<a href="http://elfutils.org/">http://elfutils.org/</a>	GNU General Public License v3.0 or later
file	5.45	<a href="http://www.darwinsys.com/file/">http://www.darwinsys.com/file/</a>	BSD 3-clause "New" or "Revised" License
fmtlib/fmt	nan	<a href="https://github.com/fmtlib/fmt">https://github.com/fmtlib/fmt</a>	(MIT License AND fmt exception)
i2c-tools-dev	4.3	<a href="http://www.lm-sensors.org/wiki/I2CTools">http://www.lm-sensors.org/wiki/I2CTools</a>	GNU General Public License v2.0 only
jq	nan	<a href="http://stedolan.github.io/jq/">http://stedolan.github.io/jq/</a>	Python Software Foundation License 2.0
json-c	0.12	<a href="https://github.com/json-c/json-c/wiki">https://github.com/json-c/json-c/wiki</a>	MIT License

kmod	23	<a href="https://git.kernel.org/pub/scm/utils/kernel/kmod/kmod.git/about/">https://git.kernel.org/pub/scm/utils/kernel/kmod/kmod.git/about/</a>	(GNU Lesser General Public License v2.1 or later AND GNU General Public License v2.0 or later)
libcap	2.69	<a href="https://sites.google.com/site/fullycapable/">https://sites.google.com/site/fullycapable/</a>	BSD 3-clause "New" or "Revised" License
libconfig	nan	<a href="http://www.hyperrealm.com/libconfig/">http://www.hyperrealm.com/libconfig/</a>	GNU Lesser General Public License v2.1 or later
libestr	nan	<a href="https://github.com/rsyslog/libestr">https://github.com/rsyslog/libestr</a>	GNU Lesser General Public License v2.1 or later
libexpat	2.6.2	<a href="http://www.libexpat.org/">http://www.libexpat.org/</a>	MIT License
libfastjson	nan	<a href="http://www.rsyslog.com/">http://www.rsyslog.com/</a>	MIT License
libmnl	1.0.4	<a href="http://netfilter.org/projects/libmnl/">http://netfilter.org/projects/libmnl/</a>	GNU Lesser General Public License v2.1 or later
libnsl	nan	<a href="http://www.gnu.org/software/glibc/">http://www.gnu.org/software/glibc/</a>	(GNU Library General Public License v2 or later AND ISC License AND GNU Lesser General Public License v2.0 with Exceptions AND GNU General Public License v2.0 with Exceptions AND BSD 3-clause "New" or "Revised" License AND Public Domain AND GNU General Public License v2.0 or later)
libpcap	1.10.4	<a href="http://www.tcpdump.org">http://www.tcpdump.org</a>	BSD 3-clause "New" or "Revised" License
libpwquality	nan	<a href="https://github.com/libpwquality/libpwquality">https://github.com/libpwquality/libpwquality</a>	BSD 3-clause "New" or "Revised" License
libunistring	nan	<a href="https://savannah.gnu.org/projects/libunistring/">https://savannah.gnu.org/projects/libunistring/</a>	GNU Lesser General Public License v2.1 or later
libusb	1.0.9	<a href="http://libusb.sourceforge.net/">http://libusb.sourceforge.net/</a>	GNU Library General Public License v2 or later
libxcrypt	nan	<a href="https://github.com/besser82/libxcrypt">https://github.com/besser82/libxcrypt</a>	(GNU Library General Public License v2 or later AND BSD 3-clause "New" or "Revised" License AND Public Domain)
logrotate	3.21.0	<a href="http://sourceforge.net/projects/logrotate">http://sourceforge.net/projects/logrotate</a>	GNU General Public License v2.0 or later
lrzsz	0.12.20	<a href="https://ohse.de/uwe/software/lrzsz.html">https://ohse.de/uwe/software/lrzsz.html</a>	GNU General Public License v2.0 or later
ncurses	6.4	<a href="http://www.gnu.org/software/ncurses/">http://www.gnu.org/software/ncurses/</a>	MIT License
popt	nan	<a href="http://rpm5.org">http://rpm5.org</a>	MIT License
rsyslog	v8.2402.0	<a href="https://www.rsyslog.com/">https://www.rsyslog.com/</a>	GNU Lesser General Public License v3.0 only
ruby/openssl	3.2.1	<a href="https://github.com/ruby/openssl">https://github.com/ruby/openssl</a>	Ruby License
shemminger/iproute2	v6.7.0	<a href="https://github.com/shemminger/iproute2">https://github.com/shemminger/iproute2</a>	GNU General Public License v2.0 only
socat	tag-1.8.0.0	<a href="http://www.dest-unreach.org/socat/">http://www.dest-unreach.org/socat/</a>	GPL 2.0 with OpenSSL Exception
sshpas	1.05	<a href="https://sourceforge.net/projects/sshpas/">https://sourceforge.net/projects/sshpas/</a>	GNU General Public License v2.0 or later
systemd	255	<a href="http://www.freedesktop.org/wiki/Software/systemd">http://www.freedesktop.org/wiki/Software/systemd</a>	GNU General Public License v2.0 only
systemd	255.4	<a href="http://www.freedesktop.org/wiki/Software/systemd">http://www.freedesktop.org/wiki/Software/systemd</a>	GNU Lesser General Public License v2.1 or later
tcp-wrappers	nan	N/A	BSD 3-clause "New" or "Revised" License
tcpdump	4.99.4	<a href="http://www.tcpdump.org/">http://www.tcpdump.org/</a>	BSD 3-clause "New" or "Revised" License
tinymxml2	nan	<a href="http://www.grinninglizard.com/tinymxml2/">http://www.grinninglizard.com/tinymxml2/</a>	zlib License
util-linux	2.39.3	<a href="https://raw.githubusercontent.com/karelzak/util-linux/master/README">https://raw.githubusercontent.com/karelzak/util-linux/master/README</a>	GNU General Public License v2.0 or later
util-linux	2.38	<a href="https://raw.githubusercontent.com/karelzak/util-linux/master/README">https://raw.githubusercontent.com/karelzak/util-linux/master/README</a>	GNU Library General Public License v2 or later
xinetd	nan	<a href="http://www.xinetd.org">http://www.xinetd.org</a>	BSD 3-clause "New" or "Revised" License
zlib	1.2.3, v1.3.1	<a href="http://www.zlib.net/">http://www.zlib.net/</a>	zlib License
zstd	1.4.9, 1.5.5	<a href="https://facebook.github.io/zstd/">https://facebook.github.io/zstd/</a>	BSD 3-clause "New" or "Revised" License