

# Opensource in Boox

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# **1 A list of OpenSource Ssoftware used in Boox platform**

- GNU General Public License 2.0 Projects
  1. Linux kernel is an operating system kernel used by the Linux family of Unix-like operating systems. It is one of the most prominent examples of free and open source software.
  2. RedBoot is a complete bootstrap environment for embedded systems.
  3. BusyBox combines tiny versions of many common UNIX utilities into a single small executable.
  4. USB\_ModeSwitch is (surprise!) a mode switching tool for controlling “flip flop” (multiple device) USB gear.
  5. The usbutils package contains a utility used

to display information about USB buses in the system and the devices connected to them.

6. mtdutils provides a generic Linux subsystem for memory devices, especially Flash devices.
  7. dosfstools is utilities to create and check MS-DOS FAT filesystems. Inside of this package there are two utilities to create and to check MS-DOS FAT filesystems on either harddisks or floppies under Linux.
  8. fbreader is an e-book reader for various platforms.
  9. qstardict a dictionary program written using Qt4.
- GNU General Public License 3.0 Projects
    1. Udev provides a dynamic /dev directory, and hooks userspace into kernel device events.

2. libdbus is a message bus system, a simple way for applications to talk to one another.
3. Freetype provides Free, High-Quality, and Portable Font Engine
4. wireless-tools is a collection of tools to configure IEEE 802.11 wireless LAN cards.
5. libmad is an “M”peg “A”udio “D”ecoder library.
6. wpa\_supplicant is a WPA Supplicant for Linux, BSD, Mac OS X, and Windows with support for WPA and WPA2 (IEEE 802.11i / RSN).
7. DjVuLibre is an open source (GPL'ed) implementation of DjVu, including viewers, browser plugins, decoders, simple encoders, and utilities.
8. libiconv is for you if your application needs to support multiple character encodings,

but that support lacks from your system.

- GNU Lesser General Public License (LGPL) Projects

1. Qt is a cross-platform application and UI framework.
2. glibc The GNU C library is used as the C library in the GNU system and most systems with the Linux kernel.
3. libusb aims to create a library for use by user level applications to access USB devices regardless of OS.
4. FriBidi is an implementation of the Unicode Bidirectional Algorithm (bidi).
5. tslib is an abstraction layer for touchscreen panel events, as well as a filter stack for the manipulation of those events.
6. taglib a library for reading and editing the meta-data of several popular audio formats.

- More Opensource Projects under other License
  1. libpng is the official PNG reference library, distributed under the libpng license.
  2. zlib is rakedesigned to be a free, general-purpose, legally unencumbered – that is, not covered by any patents – lossless data-compression library for use on virtually any computer hardware and operating system.
  3. libexpat is an XML parser library written in C, distributed under the MIT license.
  4. libcurl A library for transferring files with URL syntax, supporting FTP, FTPS, HTTP, HTTPS, SCP, SFTP, TFTP, TELNET, DICT, LDAP, LDAPS and FILE, distributed under the MIT/X derivate license.
  5. OpenSSL is a collaborative effort to develop a robust, commercial-grade, full-featured, and Open

Source toolkit implementing the Secure Sockets Layer (SSL v2/v3) and Transport Layer Security (TLS v1) protocols as well as a full-strength general purpose cryptography library, distributed under its openssl license.

6. SQLite is a software library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine, distributed in the public domain.
7. libbs2b is a Bauer stereophonic-to-binaural DSP library, provided “AS IS”.
8. AESCrypt is a file encryption software product available on several operating systems that uses the industry standard Advanced Encryption Standard (AES) to easily and securely encrypt files, completely free open source software.

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