

# Opensource in Boox

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November 13, 2010

# A list of OpenSource Ssoftware used in Boox platform

- GNU General Public License (GPL) 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. *mtutils 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 (GPL) 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 (*bid*).
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

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 aBauer 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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