

File Systems Technology#

QNX supports a variety of file systems to suit both a variety of different needs and different media.

The supported file systems fall into three main categories.

1. Block (CD, DOS, QNX4, ...)
2. Flash (Flash v3, ETFS, ...)
3. Virtual (Inflator)

More information#

Looking for an introduction on the QNX file system architecture or working with QNX file systems? Try these links.

- [File System Architecture](#)
- [Working with File Systems](#)
- [Customizing Flash](#)

Neutrino Filesystems#

Power-Safe filesystem (aka fs-qnx6.so)#

- [Overview](#)
- [Required file, Mount options](#)
- [Format utility](#)
- [Integrity checking utility](#)
- [Creating a disk image](#)

Interoperability Filesystems#

The following filesystems are provided for interoperability with non-Neutrino systems.

FAT filesystem (aka DOS)#

QNX Neutrino provides read/write support for FAT12, FAT16, and FAT32 filesystem. Formatting, image creation, and checking tools are provided.

- [Overview](#)
- [Required file, Mount options](#)
- [Format utility](#)
- [Integrity checking utility](#)
- [Creating a disk image](#)

Linux Ext2 Filesystem#

Neutrino provides read/write support for the Ext2 version 0 and 1 filesystem. No formatting or disk checking tools are provided.

- [Overview](#)
- [Required file, Mount options](#)

NTFS#

Neutrino provides read-only support for Microsoft's NTFS. No formatting or disk checking tools are provided.

- [Overview](#)
- [Required file, Mount options](#)

HFS#

Neutrino provides read-only support for the Apple HFS/HFS+ filesystem. No formatting or disk checking tools are provided.

- [Overview](#)
- [Required file, Mount options](#)

Implementation and design notes

- [Implementation And Design Notes](#)