

Microsoft* Flash File System

- Allows Flash Memory to Behave as a Magnetic Disk Drive
- Specially Designed to Maximize Life of Flash Memory Devices
- Support PCMCIA Flash Memory Cards With the MS-DOS* and Windows* Operating Systems
- Support Block-Erasable Flash Memory
- Two-Level Architecture
- Easy Installation

The Microsoft* Flash File System allows a PCMCIA flash memory card to behave as a magnetic disk drive. The MS-DOS FAT file system is not suitable for flash memory; due to its nature, it will wear out the flash memory unevenly. The Microsoft Flash File System was specially designed to address unique requirements of flash memory technology. The Flash File System consists of two device drivers- the

first, high-level file system driver (MSFLASH), implements the logic of the flash file and passes I/O to the second driver, a low-level flash device driver (CARDDRV), which interacts directly with the system interface to the flash memory device. This low-level driver can be modified easily to support various implementations of the target system. The Flash File System drivers are loaded into the CONFIG.SYS file along with MS-DOS. During system initialization, MS-DOS initializes flash memory as a redirected system drive. The Flash File System minimizes data fragmentation and ensure uniform use of all blocks and even wear of flash memory. The Flash File System preserves data integrity by verifying that data is not stored on corrupted physical media and by shutting down the bad blocks.

HOST SYSTEMS SUPPORTED:

PC compatibles

PROCESSORS SUPPORTED:

8088, 80186, 80C186,
80C186XL/EA/EB/EC,
80L186EA/EB/EC, 80188, 80C188,
80C188XL/EA/EB/EC,
80L188EA/EB/EC, 80286, Intel386™
CX/EX/SX/SXSA/DX, Intel486™ SX,
IntelDX2™, and IntelDX4™ Processors

ORDERING INFORMATION:

Contact Microsoft OEM Division (Embedded Systems Group) for licensing information.

AVAILABILITY:

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