FEATURES

- Single-device Flash disk
- 2 Mbyte to 288 Mbyte capacity
- Simple, easy-to-use interface
- 32-pin DIP JEDEC standard package
- High performance - superior Read/Write speeds
- ECC/EDC for high data reliability
- Built-in TrueFFS provides full hard disk Read/Write compatibility
- Operates with FLite (FAT-FLC-Lite) in O/S-less environments
- Compatible with DOS, Windows95/NT/CE and additional support offered: pSOS+, QNX, Linux, VxWorks and others
- Uses 8Kbyte memory window
- +5Volt only
- Low power
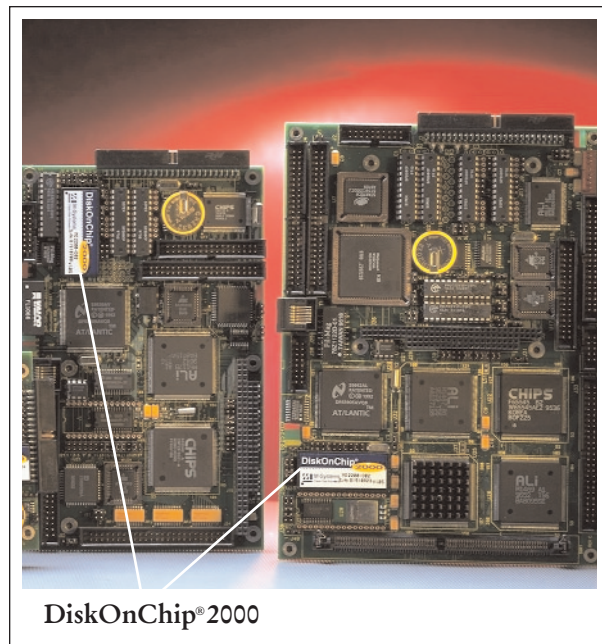- Extended temperature operation

OVERVIEW

The DiskOnChip®2000 family of products provide a single chip, solid-state Flash disk in a standard 32-pin DIP package. These products can be used as a stand-alone Flash disk with storage up to 144 megabytes for applications with limited space and moderate disk capacity requirements.

Targeted for embedded and portable PC-compatible computers, DiskOnChip®2000 products offer higher reliability. As a solid state disk the DiskOnChip®2000 has no moving parts, resulting in a significant reduction in power consumption and increased reliability.

DiskOnChip®2000 has built-in TrueFFS (True Flash File System technology, which provides full read/write disk emulation. TrueFFS provides hard disk compatibility at both the sector and file level. It works in a variety of operating system environments, such as DOS, Win95/98, WinCE, WinNT, VxWorks, pSOS+ and QNX.

The DiskOnChip®2000 products are available in capacities from 2 to 144MB. These disks are offered in three temperature ranges. Commercial (0ºC to +70ºC), Enhanced (-25ºC to +75ºC), and Extended (-45C to +85ºC). Presently densities above 24MB are not available in extended temperature version.

DiskOnChip®2000

RELIABILITY

The use of TrueFFS in conjunction with the built-in ECC/EDC provides maximum data reliability even under stressful conditions, such as power failures. Advanced wear leveling ensures long Flash life for maximum usage.

ORDERING INFORMATION

The DiskOnChip®2000 device fits in a 32-pin socket and needs to be ordered in conjunction with WinSystems' products.

FLASH-MD2000-D02	2MB DiskOnChip®2000
FLASH-MD2000-D04	4MB DiskOnChip®2000
FLASH-MD2000-D08	8MB DiskOnChip®2000
FLASH-MD2000-D12	12MB DiskOnChip®2000
FLASH-MD2000-D24	24MB DiskOnChip®2000
FLASH-MD2000-D40	40MB DiskOnChip®2000
FLASH-MD2000-D72	72MB DiskOnChip®2000
FLASH-MD2000-D144	144MB DiskOnChip®2000
FLASH-MD2000-D288	288MB DiskOnChip®2000

WinSystems,®Inc.