DiskOnChip 2000

Rugged, Reliable, Competitive

DiskOnChip 2000 leverages cost-effective NAND flash technologies while meeting standard, embedded system requirements for reliable, on-target data and code storage in a sturdy, 32-pin DIP. It is successfully implemented in hundreds of applications that use the ISA or local bus, such as Single Board Computers (SBCs), industrial PCs, thin clients, servers and telecom infrastructure equipment. Available in a wide capacity range, from 16MB to 1GB, DiskOnChip 2000 is scalable. It is compatible with every major CPU and supports all major OS environments.

Unmatched Data Reliability TrueFFS®

On-the-fly Error Detection and Correction Code (EDC/ECC) and M-Systems' TrueFFS® Flash File System, an industry-standard for flash management, guarantee data reliability without any performance penalties.

Rugged & Scalable

DiskOnChip 2000 provides rugged storage packed in a standard, 32-pin DIP. All capacities use the same size 8KB memory window for seamless upgrades.

Any CPU, Any OS

DiskOnChip 2000 is compatible with every major CPU and supports all major OS environments. A royalty-free SDK enables proprietary CPU and OS support.

Features

Interface Support:	ISA, local bus
Capacity (MB):	16, 32, 48, 64, 96, 128, 192, 256, 384, 576, 768, 1024
Flash Technology:	Binary NAND
Performance:	Sustained Read: ISA: 1.1MB/sec, local bus: 6MB/sec Burst Read/Write: ISA: 1.1MB/sec, local bus: 11.9MB/sec Sustained Write: ISA: 0.65MB/sec, local bus: 2.1MB/sec
Voltage:	5V or 3.3V
Operating Temp:	Commercial: 0°C to +70°C Extended: -40°C to +85°C

Ordering Information

Ordering No. (where C=Capacity)	Capacity (MB)	32-Pin DIP Form Factor	Temperature Range
MD2202-DCCC	CCC=16-384	Low Profile	Commercial
MD2202-DCCC-X	CCC=16-384		Extended
MD2203-DCCCC	CCCC=576-1024	High Profile	Commercial
MD2203-DCCCC -X	CCCC=576-1024		Extended