

# SC35 Mastodon

## 3.5" SCSI Solid State Drive



- Over 13 Gbyte uncompressed capacity
- Full -40°C to +85°C industrial temp range
- Rugged, 3.5" half height drive formfactor
- Single-ended 50 pin SCSI-II interface
- Active Remap™ wear leveling Technology
- 5 volt only, low power operation
- Completely solid state - no moving parts
- 500G operating shock
- 10G operating vibration
- 1.0 millisecond random access time
- 1.5 Mbyte/sec sustained Read throughput
- 650 Kbyte/sec sustained Write throughput
- NO installable device drivers
- 10 year guaranteed data integrity



The SC35 is a modular, high performance solid state drive in a 3.5 inch half-height drive format, designed for implementation on systems conforming to the SCSI-II standard. It is composed of a large array of 128, 256 or 512 Mbit NAND E<sup>2</sup>PROM memories that through on board processor control, can emulate the storage and retrieval operations of a hard disk, but with faster access and throughput. The drive is completely solid state, which makes it resistant to shock, vibration, dust and temperature, yet it offers the same ease of implementation and use as standard rotating media. No special drivers or flash file managers are required for read or write access to the device, which simplifies installation and makes the drive fully bootable.

The SC35 can be used in applications where operating conditions are harsh and when reliability is critical. A 100% CMOS logic design minimizes power consumption, and the +5 volt only power requirement simplifies system supply needs, as +12 volts is not necessary. An on-board microprocessor implements all control functions and implements the SCSI command set for the NCR 53C90A SCSI-II processor. Sustained read throughput for the SC35 is 1.5 Mbyte per second, and the sustained write throughput is over 650 Kbytes per second. The unit responds to all Direct-Access device commands, and as with all single-ended SCSI units, the SC35 may be placed up to 18 feet (6 m) from the host SCSI controller. Wear leveling is achieved through MemTech's proprietary Active Remap™ technology.

The drive is available in capacities from 16 Mbytes to over 13 Gbytes in a number of standard sizes. Please contact the factory with your size requirements. Disk compression utilities may be used to effectively double the capacity of the drive.



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