



RamSan-220

The World's Fastest Storage[®]

Built for Speed

The RamSan-220 Solid State Disk (SSD) is the storage appliance built for speed. Its data storage is based on fast SDRAM media instead of mechanical rotating drives. With a memory bus architecture similar to high performance servers, the RamSan-220 has the high bandwidth and low latency necessary to support dozens of servers immediately without any performance degradation. Unlike RAID devices, it supports four 2Gb Fibre Channel links. The RamSan-220 provides an incredible performance improvement over mechanical disks and any other SSD unit.

Performance

- 200,000 **random**, sustained I/Os per second*
- 20 microseconds latency
- 8-32 GB capacity

LUN Mapping Support

- 1 to 64 LUNS
- Variable capacity
- Port-assignable
- Hardware LUN masking

Management

- Browser-enabled monitoring through built-in Java application
- SNMP supported
- Multiple management capabilities
 - Telnet
 - Direct-attached console
 - Front panel controls

Reliability and Availability

- 99.999% availability
- ECC memory error protection
- Internal redundancies
 - Power supplies
 - Fans
 - Fibre Channel controllers (optional)
 - Backup battery power
 - Backup hard disk drives
- Hot swappable components
 - Backup hard disk drives
 - Power supplies
 - Fans

*Other storage companies rate their systems in sequential IOPS, which creates higher numbers but does NOT reflect real-world "random" data access by multiple users. Beware of any company not specifying random IOPS.

Interface

- 2-gigabit Fibre Channel (1-gigabit capable)
- Dual ports standard, four ports available
- Support for point-to-point, arbitrated loop, and switched fabric topologies
- Interoperable with most Fibre Channel Host Bus Adapters (HBAs), switches and operating systems

Data Retention

- Non-volatile solid state disk
- Redundant internal batteries power the system for approximately one hour after power loss
- Configurable auto-shutdown processes
- Data Sync Mode: completes synchronization of data to dual internal disk drives prior to shutdown.
- Triple-Mirror Mode: mirror data on dual internal disk drives in real time

Support Options

- Standard support
 - 5 year, 9-5 phone support
 - 1 year return-to-factory warranty
- 9x5 next business day onsite support available
- 24x7 4 hour response onsite support available
- Advance parts replacement
- Spares kits available
- Warranty extensions available

Specifications

- 2U (3.5") height
- Rack-mountable (19" x 27")
- 50 lbs maximum weight
- 150 watts power consumption