

FlashDisk® OpenSAN

Enterprise Performance - Enterprise Capacity - Enterprise Dependability

“SAN-IN-A-CABINET”

In just six square feet, one cabinet gives you a complete and very affordable SAN. The MP-1000 Series is configured to provide the highest performance, the highest capacity, or a well-balanced combination of both, as shown in the chart below. FlashDisk supports RAID 6 dual parity to protect against two drive failures per shelf and to ensure successful array rebuilds, while increasing Mean Time to Data Loss (MTDL) by over 200 times.

FlashDisk OpenSAN uses a massively parallel point-to-point architecture and supports between 24 and 44 hosts using 2 Gb or 4 Gb Fibre Channel connections and scalable to 180 TB. This unique approach delivers over **one million IOPS** for transaction oriented applications and over **ten thousand MBps** for high throughput applications.

ARCHITECTURE

- Massively parallel design
- Point-to-point connectivity
- Capacity expansion on demand
- Linearly scalable performance
- Volume sharing
- Fast outer track optimization
- Cabinet is 42U with 2U, 3U, or 4U shelves

BENEFITS

- Enterprise and secondary storage
- Centrally managed
- Improves productivity
- Eliminates downtime
- Eliminates data loss
- Eliminates speed bottlenecks
- Eliminates FC arbitrated loop
- Cuts total cost of ownership

COMPATIBILITY

-Supports storage services from Falconstor, Veritas, XOssoft and other open software vendors that provide virtualization, mirroring, replication, snapshots, VTL, CDP, backup, failover, clustering and more.

DISK DRIVES

- Enterprise 150, 300, 400, 500 GB
- Secondary 750 GB



MP-1000 Series

Capacity & Performance Examples

	Performance	Capacity	Balanced
Capacity			
Drives per shelf	12 or 16	24	16
No. of shelves	17	10	13
Per shelf (TB)	9 or 12	18	12
Total (TB)	120	180	156
Usable RAID 6 or RAID 5 w/hot spare	103	150	136
Performance			
Random (IOPS)	1,606,000	880,000	1,144,000
Sequential (MBps)	13,190	7,700	10,000
FC Host Ports	30	24 or 44	38

OPEN SYSTEM

- Compatible with all O/S
- Supports 2 Gb & 4 Gb FC
- No software drivers needed

FAULT TOLERANCE

- RAID 1, 3, 5, 6, 10, 15, 16
- Fully redundant data paths
- Multi-pathing and HBA failover
- Redundant hot-swap drives, controllers, power supplies, fans, BBUs and AC power
- Rapid replacement units

EASY TO MANAGE

- Centralized storage management
- Access from any web browser
- Automatic event monitoring
- Call home alert service

RELIABILITY

- 1.2 million hour MTBF drives
- High availability configurations
- RAID 6 with over 200x MTDL
- RAID 15 & 16 NSPF

SERVICE

- 7x24x365 on-site and hotline
- On-site spares
- Installation included

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