

RAIDFLEX™ 8000 Series SAS--SAS / SATA RAID



The 8000 SAS storage system combines serial-attached SCSI (SAS) technology, proven design and an intuitive management interface to create a fully-featured storage system ideally-suited for mid-range requirements. The modular design creates an affordable entry-point without sacrificing future scalability, enabling customers to start small and grow big when required. Dual-active controllers and up to 12 drives combine to create a

fully-featured and highly available storage system in a 2U enclosure. When capacity or performance requirements change, the 8000's is scalable by daisy-chaining successive JBOD enclosures to address up to 48 drives in total.

With three SAS interfaces ports per controller (six in total), the 8000 SAS storage system can provide three servers with redundant connections, enabling capacity efficient storage consolidation without the need of a storage network. Clustering further supports storage consolidation by allowing servers, typically two, to share access to data on a single storage system.

The 8000 SAS storage system also provides a level of data availability not possible with internal storage. Redundant components, redundant I/O paths, automated path failover and online administration enable the 8000 SAS storage system to ensure data access is maintained at all times.

Intuitive data management software, with web-like interface and task-based management interface, significantly reduces the complexity of installation, configuration, management and diagnostic tasks. Online capacity expansion, volume creation and host-to-volume mappings, gives the user control of their storage system and the ability to make quick changes when necessary. Email diagnostic alerts and Simplicity Recovery Guru provide valuable trouble shooting assistance by diagnosing the system, alerting the administrator if a problem occurs, and goes a step further by determining the appropriate recovery procedure to be taken.

Applications

- Enterprise Storage
- Performance driven HD Video Streaming
- Security and Surveillance
- Regulation Compliance Storage
- Disaster Recovery Storage
- Audio/Video Editing

Features

- 3 x SAS 3GB/s x4 port per controller
- Daisy-chain expansion with JBOD units
- Up to 48 SAS and SATA drives
- RAID levels 0, 1, 0+1, 3, 5, 6
- Dual Active-Active controller option
- Snapshot data management services



Powered by



RAIDFLEX™ 8000 Series

SAS--SAS / SATA RAID

As businesses continue to grow, administrators have the flexibility to add premium features to support data utilization and protection requirements.

- Storage partitioning logically divides a system defining which host or host group may access each volume in your storage system, enabling a number of hosts to share a single system.
- Volume Snapshot creates capacity-efficient, point-in-time volume images, providing a logical volume for such uses as file restoration and backup.
- Volume Copy creates a complete physical copy of a volume, which may be used for application testing and development, information analysis, data mining, backup etc.

3Gb SAS	
Models	
Designation	DPz3-88212z3-sc--2U, 12 Drives, 3Gb SAS Host, single RAID controller DPz3-88212z3-rc--2U, 12 Drives, 3Gb SAS Host, dual RAID controller DPz3-88212z3-sj--2U, 12 Drives, 3Gb SAS Host, single JBOD SES DPz3-88212z3-rj--2U, 12 Drives, 3Gb SAS Host, dual JBOD SES
General	
Capacity (up to)	12 bay - 12TB / 3.6TB per chassis (SATA / SAS)
Supported OS	Windows 2K, 2K03, Linux 32/64 bit, Red Hat Enterprise Linux, SUSE SLE
Powerconsumption	515 Watts (+ 5V @ 19A/+12 V @ 35A)
Performance	
Maximum burst I/O rate from cache	91,000 I/Os per second
Maximum sustained I/O rate read	22,000 I/Os per second
Maximum sustained transfer read	900 MB/s
Connections	
Host Channels	3Gb x4 SAS (3 ports per controller)
Ports	1x Serial (RS232C) firmware management 1x Serial (RS232C) UPS Monitor 1x Fast Ethernet (RJ45)
Expansion Ports	Mini SAS (One 3Gb SAS wide (x4) Exp. port)
Drive Channels	12 x SATA-II/SAS
RAID Controller	
No. of Controllers	x1 or x 2
Processor	Intel X-Scale (667 Mhz)
Memory	Standard 512MB with 1GB option
BBU	Optional (72hrs)
RAID levels	0, 1, 0+1, 3, 5, 6
RAID sets	Max 12
RAID features	Automatic drive failure detection and rebuild with global hot spares Automated I/O path failover and online administration
Hot Swap Components	
Controller	Redundant hot-swappable controllers (88212z3-rc)
Hot swap trays	12 x SATA-II/SAS
Power Supplies	2 x 350 W
Cooling Fans	2 x Turbo Fan
Management	
Monitoring Messaging	Buzzer, email, SNMP
Physical	
Dimensions (WxDxH) in mm	448 x 540 x 86
Weight (unpacked, w/o drives)	29kg
Environmental	
Temperature	Operating 10°C to 35°C Non operating -20°C to 60°C
Humidity	10~85%, non-condensing
Altitude	Operationg 0 - 10000ft Non-operating 0 - 20000ft
Designed to meet	
Quality standard	ISO9001
Health and Safety	UL, CUL, CB
EMC	FCC, VCCI Class A, EN55022 Class A, EN55024, BSMI, C-Tick