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EP-3164D-G1S3

iSCSI-SAS/SATAII Redundant RAID Subsystem

Unparalleled Performance
- Supports Dual-active controllers
- Front-end 8 x 1Gb iSCSI
- Supports 802.3ad port trunking, Link Aggregation Control Protocol (LACP)
- High data bandwidth of system architecture by powerful 64-bit RAID processor

Unsurpassed Data Availability
- RAID 6 capability provides the highest level of data protection
- Supports snapshot-on-the-box w/o relying on host software
- Supports Microsoft Windows Volume Shadow Copy Services (VSS)

Exceptional Manageability Menu-driven front panel display
- Management GUI via serial console, SSH telnet, Web and secure web(HTTPS)
- Event notification via Email and SNMP trap
- Menu-driven front panel display

Features
- Front-end 8 x 1Gb ports support independent access,
  fail-over and load balancing(802.3ad port trunking, LACP)
- Supports iSCSI jumbo frame
- Supports Microsoft Multipath I/O (MPIO)
- Supports RAID levels 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD
- Local N-way mirror: Extension to RAID 1 level, N copies of the disk
- Global and dedicated hot spare disks
- Write-through or write-back cache policy for different application usage
- Supports greater than 2TB per volume set (64-bit LBA support)
- Supports manual or scheduling volume snapshot (up to 32 snapshot)
- Snapshot rollback mechanism
- On-line volume migration with no system down-time
- Online volume expansion
- Instant RAID volume availability and background initialization
- Supports S.M.A.R.T, NCQ and OOB Staggered Spin-up capable drives

Series Technical Specifications

Model	EP-3164D-G1S3
RAID Controller	iSCSI-SAS
Controller	Dual (Redundant)
Host Interface	Eight 1Gb/s Ethernet
Disk Interface	SAS 3Gb or SATA II
SAS expansion	4x mini SAS (3Gb/s)
Processor Type	Intel IOP342 64-bit (Chevelon dual core)
Cache Memory	4GB ~ 8GB DDR-II ECC SDRAM
Battery Backup	Optional Hot Pluggable BBM
Management Port support	Yes
Monitor Port support	Yes
UPS connection	Yes
RAID level	0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD
Logical volume	Up to 1024
iSCSI Jumbo frame support	Yes
Supports Microsoft Multipath I/O (MPIO)	Yes
802.3ad Port Trunking, LACP Support	Yes
Host connection	Up to 32
Host clustering	Up to 16 for one logical volume
Manual / scheduling volume snapshot	Up to 32
Hot spare disks	Global and dedicated
Host access control	Read-Write & Read-Only
Online Volume migration	Yes
Online Volume sets expansion	Yes
Configurable stripe size	Yes
Auto volume rebuild	Yes
N-way mirror (N copies of the disk)	Yes
Microsoft Windows Volume Shadow Copy Services (VSS)	Yes
Supports CHAP authentication	Yes
S.M.A.R.T. support	Yes
Snapshot rollback mechanism support	Yes
Platform	Rackmount
Form Factor	3U
# of Hot Swap Trays	16
# of Expansion Disks	Up to 64 disks
Tray Lock	Yes
Disk Status Indicator	Access / Fail LED
Backplane	SAS / SATA II Single BP
# of PS/Fan Modules	500W x 2 w/PFC
# of Fans	4
Power requirements	AC 90V ~ 264V Full Range, 10A~5A, 47Hz~63Hz
Relative Humidity	10% ~ 85% Non-condensing
Operating Temperature	10°C ~ 40°C (50°F ~ 104°F)
Physical Dimension	566(L) x 482(W) x 131(H) mm
Weight (Without Disk)	22.5 Kg

Specification is subject to change without notice.
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