EPICa

EP-3164S1/D1-F8S6

3U 16Bay 8Gb FC/iSCSI – 6G SAS Redundant RAID Subsystem

Unparalleled Performance & Reliability

- Support Dual-active controllers
- Supports 802.3ad port trunking, Link Aggregation Control Protocol (LACP) with VLAN
- High data bandwidth of system architecture by powerful INTEL 64-bit RAID processor

Unsurpassed Data Availability

- RAID 6 capability provides the highest level of data protection
- Supports Snapshot, Volume cloning, Replication, Thin Provision
- 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

- 3U 16Bay rack-mount redundant RAID subsystem with SBB compliant controller.
- Supports iSCSI jumbo frame
- Supports Microsoft Multipath I/O (MPIO), MC/S
- 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 64 snapshot)
- Snapshot rollback mechanism
- On-line volume migration with no system down-time
- Online volume expansion
- Instant RAID volume availability and background initialization
- Automatic synchronization of firmware version in the dual-active mode
- Supports S.M.A.R.T, NCQ and OOB Staggered Spin-up capable drives
- High efficiency power supply which compliant with 80plus

Series Technical Specifications

Model	EP-3164S1/D1-F8S6
RAID Controller	8G FC/iSCSI - 6G SAS
Controller	Single or Redundant
Host Interface	4 x 8Gb FC & 2 x 1Gb Ethernet (per Controller)
Disk Interface	6Gb SAS or 6Gb SATA*
SAS expansion	One 6Gb SAS (SFF-8088)
Processor Type	INTEL Xeon processor
Cache Memory	4GB~8GB DDR3 ECC SDRAM (per Controller)
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 4096
iSCSI Jumbo frame support	Yes
Supports Microsoft Multipath I/O (MPIO)	Yes
802.3ad Port Trunking, LACP Support	Yes
Host connection	Up to 128
Host clustering	Up to 16 for one logical volume
Manual/scheduling volume snapshot	Up to 64
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
Thin Provision	Yes
Local Clone	Yes
Remote Replication	Yes
VAAI (vStorage APIs for Array Integration)	Yes
S.M.A.R.T. support	Yes
Snapshot rollback mechanism support	Yes
Platform	Rackmount
Form Factor	3U
# of Hot Swap Trays	16
Tray Lock	Yes
Disk Status Indicator	Access / Fail LED
Backplane	6Gb SAS / SATA Single BP
# of PS/Fan Modules	460W x 2 w/PFC
# of Fans	2
Power requirements	AC 90V~264V Full Range, 10A~5A,47Hz~ 63Hz (per module)
Relative Humidity	10% ~ 85% Non-condensing
Operating Temperature	10°C ~ 40°C (50°F ~ 104°F)
Physical Dimension	555(L) x 482(W) x 131(H) mm
Weight (Without Disk)	19Kg / 20.5 kg

*** Redundant controller request optional dongle board for SATA hard drive.**

Specification is subject to change without notice.

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