SANS DIGITAL

EliteRAID ER316I+B

3U 16-Bay SATA to iSCSI 4x GbE RAID 60 Rackmount

Overview

The **EliteRAID ER316I+B** is the latest hardware RAID storage to EliteRAID iSCSI solution. ER316I+B is a 3U 16-bay quad channel iSCSI storage supporting advanced features, such as trucking and LACP networking support, Multiple Channel per Session (MC/S), iSCSI jumbo frame and Microsoft MPIO. SCSI-3 persistent target is available for clustering server application. Built-in Web GUI management interface and event notification E-mail, SNMP trap, browser pop-up Windows, Syslog and Windows Messenger allow administrators to monitor unit status with ease. Besides RAID 5 and RAID 6 support, Mirroring (RAID 1) and Striping (RAID 0), ER316I+B supports RAID 6 to protect against up to two hard drive defects. Advance feature includes online RAID migration, online RAID expansion and MPIO supported. Supported in Windows, MAC and Linux operating system. Virtualization platform is also supported in VMware ESX server (3.5/4.0/4.1), Microsoft Hyper-V and Citrix Xen. Utilizing SATA interfaces, and quad gigabit Ethernet port (up to 400MB/s), the ER316I+B is guaranteed to achieve the best performance with fail-safe file protection.

Features

- 4 Gigabit iSCSI port of data transfer.
- 3U 16-bay rackmount with redundant power supply.
- Support 4TB hard drives, up to 64TB total storage.
- Intel IOP 64bit processor with 2GB ECC memory.
- Support Trucking and LACP 802.11ad for bandwidth increase and redundancy
- Supports iSCSI Multiple Channel per Session (MC/S).
- Supports MPIO, iSNS and iSCSI Jumbo Frame.
- Supports SCSI-3 persistent target. Supports Windows Server 2008 clustering.
- Supports RAID 0, 1, 3, 5, 6, 30, 50, 60, JBOD. Local N-way mirror, global and dedicated hot spare disks.
- Online volume expansion and migration.
- UPS management supported via serial port.
- HTTP Web GUI, SSH telnet and serial management interface.
- Event notification via E-mail, SNMP trap, browser pop up windows, Syslog and Windows Messenger.
- Up to 400MB/s read/write performance.
- Optional battery backup module.

- Supported in Windows, MAC and Linux.
- Supported in virtualization platform, including VMware, Citrix and Microsoft Hyper-V.

Specification

Model	ER316I+B
Form Factor	3U Rackmount
CPU	Intel IOP 64-bit RISC processor
RAM	DDR-2 ECC 2GB memory
HDD Trays	16 Hot-Swappable 3.5"
RAID Level	0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60, JBOD and Hot Spare
Maximum Capacity	64TB
Maximum Host Connections	32
Max. Cluster Hosts Connections	32 hosts clustered for one volume
Maximum Logical Volumes	256
Microsoft MPIO Support	Yes
iSCSI MC/S Support	Yes
iSCSI Jumbo Frame Support	Yes
SCSI-3 Compliant	Yes
Auto Rebuilding	Yes
Host Interface & Transfer Rate	Quad Gigabit Ethernet (Up to 400MB/s, support LACP 802.11ad and Trucking)
Drive Interface	SATA
Cooling Fan	4" Cooling fan * 2, 1.5" Cooling fan * 3 from Power Supply
Power Supply	Redundant 650W Power Supply * 3
Status Indicators	Hard Drive & Failure LEDs
Controller Interface	Web-based management, Serial Port or LCD
Supported OS	Windows 7/XP/2000/2003, Mac OS X or above, Linux 2.4 or above, VMware ESX Server, Microsoft Hyper-V and Citrix Xen
Dimension (in)	5.25" H x 19" W x 23" D
Weight (lb)	46.0
Safety Regulations	CE, FCC, UL, RoHS