

MD-3U16-FS



Product Overview

The 3U16-FS 4Gb Fibre SAS storage system is designed to operate in performance, mission critical, and data-intensive network environments. Compatible with industry standard SFP interface with copper or optical connection, hot-swappable drive trays, redundant power supplies and cooling fan modules, the 3U16-FS enables system maintenance without interruption of services. Built-in RAID controller can be remotely monitor and manage through web browser providing a perfect blend for protection, manageability, and performance. The 3U16-FS is specifically designed to address the challenges of high impact/high volume storage requirements, and it delivers a solution that raises the bar in performance, reliability, functionality and versatility.

Professional Grade Performance

With dual 4Gb SFP fibre channel ports, the 3U16-FS provides increased reliability and functionality critical to a company's IT infrastructure. The 3U16-FS includes a cutting edge 64-bit RAID architecture which maximizes both the SAS & SATA disks throughput potential, making the system an ideal solution for professional storage applications such as image processing, web streaming, data centers, media & asset management libraries, file, and database servers.

High Data Availability

The 3U16-FS offers a wide range of RAID settings including 0, 1 (0+1), 3, 5, 6, 30, 50 and JBOD. Support for multiple array configurations are included to allow added flexibility ensuring your investment will be in use years down the line. Drive failure detection, automatic drive rebuild, hot spare assignment and background rebuild, make it possible for users to monitor address system conditions. Dynamic Online RAID expansion allows additional capacity to be added without total system downtime, adding piece of mind knowing your data is protected at all time.

Features

- Hybrid SAS/SATA disk based storage
- Multiple RAID configuration options
- RAID levels: 0,1,3,5,6,10,30,50,60
- on-line volume expansion & migration
- Storage expansion through RS16 JS system
- Up to 2GB RAID controller cache memory
- Microsoft MPIO Certified
- Snapshot & RAID-6 supported
- Remote management through web GUI
- multiple RAID volume & instant availability
- Hot-swap cooling fan modules & drive trays
- Professional dual-redundant power supply
- Supports Windows, Mac OS 9.1 & above
- Complete system & volume management
- Powerful 64-bit hardware architecture
- Supports up to 16TB of raw storage

Storage Management

The 3U16-FS can be completely configured in minutes using the secure front control panel, or through a web GUI management that allows administrators to configure & monitor the RAID storage through standard web browser then password protect to eliminate potential security risks. Advanced RAID features includes RAID-6, Snapshot and Online Volume Expansion.

Controls & Indicators

A comprehensive LCD control panel facilitates the setup process and lets users reconfigure the system as their needs change. Web GUI management provides easy visual monitoring and system status at a glance. The 3U16-FS also provides an audible alarm in the event of a component failure.

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Specifications



Form Factor

- 3U low profile 19" rackmount
- 16 SAS / SATA disk drive bays

System Architecture

- SAS-to-4Gb Fibre Channel (1G copper support)
- SATA-to-4Gb Fibre Channel (1G copper support)
- Expansion available

Interface Configuration

- 2x dual loop LC SFP connectors, Optical ready

Disk Drive Interface

- HDD SATA/SAS 1.5Gb/s or 3.0Gb/s
- Form Factor 3.5" SATA/SAS disks
- RPM 7,200 / 10,000 / 15,000
- Max. Capacity Up to 24TB RAW (1.5TB HDD x 16)

Controller Architecture

- 64-bit Intel based RAID engine
- Dual PCI bus architecture
- 64-bit 133MHz PCI-X bridge
- 1GB cache (upgradable to 2G)
- Upgradable firmware in flash ROM
- Optional battery backup module

Controls and Indicators

- Backlit secured LCD control panel
- Power and drive failure indicators
- Built-in alarm with mute button

RAID Operation

- RAID level 0 (0+1), 3, 5, 6, 10, 30, 50, 60 & JBOD
- Multiple array support (up to 8 separate arrays)
- Hot-swap drive support
- Hot spare drive support
- Dynamic Online volume expansion

Management

- User configurable via control panel
- Web GUI remote management through TCP
- RS232 VT100 ANSI terminal emulation
- Event log and email notification
- Email, fax, and paging features
- SNMP trap (remote notification)
- Internal buzzer alarm

Supported Operating System

- Windows 98, ME, 2000, XP, 2003, Vista, 2008
- Mac 9.X, 10.X
- Red Hat Enterprise Linux 5
- VMware ESX 3.5

Power Supply

- 2x 460W autosensing redundant power supply
- Three removable (triple input) industrial grade modules
- AC input: 100 ~ 240 VAC, 46Hz ~ 63Hz
- Continuous output power: Dual 2x 460W Redundant

Dimensions

- Length: 22.87"
- Width: 17.5" w/o rack ears (19" with rack ears)
- Height: 5.25" (3 RU)

Weight

- 80 lbs without drives (106 lbs with drives)

Manufacturer Warranty

- 3-Year warranty

Please contact us for ordering and pricing information.

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