UltraStor RS16 FS

Performance Fibre SAN Storage System

www.enhance-tech.com

Product Overview

The UltraStor™ RS16 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 UltraStor RS16 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. UltraStor™ RS16 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 RS16 FS provides increased reliability and functionality critical to a company's IT infrastructure. UltraStor™ RS16 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 RS16 FS offers a wide range of RAID settings including 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60. 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 and address system conditions. Dynamic On-line RAID expansion allows additional capacity to be added without total system downtime, adding peace 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 Multipath I/O Certified
- Snapshot & RAID-6 supported
- Remote management through web GUI
- Multiple RAID volume & instant availability
- Hot-swap cooling fan modules & drive trays
- Dual-redundant energy efficient power supply
- Supports Windows, Mac OS 9.1 & above
- Complete system & volume management
- Powerful 64-bit hardware architecture
- Supports up to 32TB of raw storage

Storage Management

The RS16 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, Online Volume Expansion and Migration.

Controls & Indicators

A comprehensive LCD control panel located at the back of RS16 FS 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 RS16 FS also provides an audible alarm in the event of a component failure.

ENHANCE TECHNOLOGY, INC.
Where Storage Begins

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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 with UltraStor RS16 JS through Infiniband

Interface Configuration
- 2x dual loop LC SFP connectors, Optical ready

Disk Drive Interface
- HDD: Serial Attached SCSI/Serial ATA
- RPM: 7200-15,000
- Max. Capacity Up to 32TB RAW (2TB 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, 1 (0+1), 3, 5, 6, 10, 30, 50, 60
- 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

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)

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 Redundant 460W PSU

Notification / Alarm
- Email, fax, and paging features
- SNMP trap (remote notification)
- Internal buzzer alarm

Certifications
- FCC Class A
- UL1950
- CSA #950
- TUV / EN60950

Manufacturer Warranty
- 3-Year Limited

**To find an authorized dealer
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