

ULTRASTOR™ RS8

Direct Attached RAID Storage System

www.enhance-tech.com



Overview

The new ULTRASTOR™RS8 by Enhance Technology represents the pinnacle of hybrid Serial ATA technology by integrating the emerging SATA 3Gb/s disks with enterprise host connectivity. The new ULTRASTOR™RS8 keeps the original sleek 2U 8-disk rackmount design, and is incorporated with a brand new RAID engine that features Snapshot and RAID6 capabilities, which can only be found on enterprise or high end and high density storage systems. The new ULTRASTOR™RS8 yields superior performance and reliability that offer a new level of application possibilities. The new RS8 continues the ULTRASTOR™tradition by delivering a solution that raises the bar in reliability, functionality, and affordability, and is ideal for Microsoft Exchange and SQL server, and provides the fastest, simplest, safest way to share protected data between desktops, networks and work groups.

Professional Grade Performance

With Dual Ultra320 SCSI channels (DAS), RS8 provides increased reliability and functionality critical to a company's IT infrastructure. ULTRASTOR™RS8 includes a cutting edge 64-bit RAID architecture which maximizes the Serial ATA disk throughput potential. ULTRASTOR™RS8 RAID system is an ideal solution for professional storage applications such as disk-to-disk (D2D) backup, image processing, near-line storage, data centers, database servers, media & asset management libraries and shared SAN networks.

High Data Availability

The RS8 offers a wide range of RAID settings including 0, 1 (0+1), 3, 5, 6, 30, 5S, 6 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 and address system conditions. Dynamic On-line 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

- 2U, 8 SATA disks external storage
- Multiple RAID configuration options
- Complete system & volume management
- Powerful 64-bit hardware architecture
- Supports over 2TB of RAID storage
- SATA to SCSI connectivity
- Hot swappable components
- Secure control panel with backlit lit LCD
- Cost effective storage solutions

Storage Management

The RS8 system is unparalleled in its simplicity, ease of use, installation, and storage management. Our user friendly Web Graphical User Interface allows one to deploy and manage the disk array from virtually anywhere in the world with simple internet access, no additional management software ever needed. With the "Quick Install" wizard, the storage administrator can get the system up and running in a few minutes; and setting up RAID level, volume, cache, etc. can all be done and monitored through the Web GUI.

Controls & Indicators

A comprehensive LCD control panel facilitates the setup process and lets users reconfigure the system as their needs change. LED based indicators provide easy visual monitoring and system status at a glance. The ULTRASTOR™RS8 also provides an audible alarm in the event of a component failure.



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Form Factor

- 2U low profile 19" rackmount
- 8 SATA I/ SATA II disk drive bays

System Architecture

- SATA-to-Ultra320 SCSI (Ultra160 support)

Interface Configuration

- Dual channel (4) HD68 pin SCSI connectors

Disk Drive Interface

- HDD SATA 1.5Gb/s or 3.0Gb/s
- Form Factor 3.5" SATA disks
- RPM 7,200 / 10,000 / 15,000
- Max. Capacity Up to 12TB RAW (1.5TB HDD x 8)

Controller Architecture

- 64-bit dedicated RAID processor
- Dual PCI bus architecture
- 64-bit 133MHz PCI-X bridge
- 512MB cache (upgradeable to 2G)
- Upgradeable firmware in flash ROM

Controls and Indicators

- Backlit LCD control panel
- Power and drive failure indicators
- Built-in alarm with mute button
- Optional battery backup module

RAID Operation

- RAID level 0 (0+1), 3, 5, 5S,6 and JBOD
- Multiple array support (up to 8 separate arrays)
- Hot-swap drive support
- Hot/global spare drive support
- Online capacity expansion

Management

- User configurable via control panel
- Web browser remote management
- RS232 VT100 ANSI terminal emulation
- Event & fault notification to e-mail

Enclosure Specification

- Hot-Swappability 8 x Removable HDD Tray
- Drive Failure 8 x LED Indicator for each HDD
- System Fan 3 hot-swappable blowers
- Status LEDs 1 x access LED for each HDD
- Fan-fail LED 1 x fan-fail LED for system
- Mute Button 1 x mute button for fan & temp alarm
- Power Supply 1+1 Hot-swap Redundant (2x300Watt)
- Dimension (H x W x D) 3.5" x 17" x 19.5"
- Weight (without disk) 50 Lbs

Physical & Environment

- Temperature built in thermal & fan sensor
- Operating Temperature 10°C ~ 35°C
- Non-Operating Temperature -10°C ~ 50°C
- Operating Humidity 20% to 90% non-condensing

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

- Dual redundant removable power modules
- 1+1 hot swappable
- AC input: 90 ~ 264 VAC, 47Hz ~ 63Hz, 5.0A
- Continuous output power: 460W

Cooling

- Three hot swappable fan modules
- DNI BFB0712H brushless blowers
- 12V DC, 0.36A, 3-pin connector

Manufacturer Warranty

- 3-Year warranty
- Advanced Replacement 30 days

To find an authorized dealer

Contact us at: info@enhance-tech.com

