

RS2080SA

Direct Attached SATA Storage System

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Overview

The RS2080SA represents the pinnacle of hybrid Serial ATA technology. ULTRASTOR™ RS2080SA opens the door to the world of high performance computing by integrating emerging SATA technologies with next generation interface connectivity. Specifically designed to address the challenges of high impact/high volume storage requirements, ULTRASTOR™ RS2080SA yields superior performance that offers a new level of application possibilities. RS2080SA continues the ULTRASTOR™ tradition by delivering a solution that raises the bar in reliability, functionality and affordability.

Professional Grade Performance

With two Ultra320 SCSI channels or two 2Gb SFP Fibre ports, the RS2080SA provides increased reliability and functionality critical to a company's IT infrastructure. ULTRASTOR™ RS2080SA includes a cutting edge 64-bit RAID architecture which maximizes the Serial ATA disk throughput potential. Making the system an ideal solution for professional storage applications such as Disk-to-disk backup, image processing, nearline storage, data centers, database servers, media & asset management libraries and shared SAN networks.

High Data Availability

The RS2080SA offers a wide range of RAID settings including 0, 1 (0+1), 3, 5, 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 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 disk external storage
- Multiple RAID configuration options
- Complete system & volume management
- Powerful 64-bit hardware architecture
- Supports over 2TB of RAID storage
- SATA to SCSI or Fibre connectivity
- Hot swappable components
- Secure control panel with backlit LCD
- Cost effective storage solutions

Storage Management

The RS2080SA can be completely configured in minutes using the front control panel, or through a standard RS232 interface that allows administrators to configure then password protect to eliminate potential security risks. As a benefit the RS2080SA offers an optional management software that includes the essential tools required to manage and monitor your RS2080SA.

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 RS2080SA 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 / Serial ATA disk drive bays

System Architecture

- SATA-to-Ultra320 SCSI (Ultra80 support)
- SATA-to-2Gb Fibre Channel (1G copper support)

Interface Configuration

- Dual channel (4) HD68 pin SCSI connectors
- 2 dual loop LC SFP connectors, Optical ready

Disk Drive Interface

- HDD: SATA/Serial ATA
- Form factor: Low profile 1" SATA disks
- RPM: 7200-10,000

Controller Architecture

- 64-bit dedicated RAID processor
- Dual PCI bus architecture
- 64-bit 133MHz PCI-X bridge
- 128MB cache (upgradable to 1G)
- Upgradable 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 and JBOD
- Multiple array support (up to 8 separate arrays)
- Hot-swap drive support
- Hot spare drive support
- Online capacity expansion

Management

- User configurable via control panel
- Web Based GUI Management Software
- RS232 VT100 ANSI terminal emulation
- In-band monitoring and fault notification to fax / pager /email.

Dimensions

- Length: 19.5"
- Width: 16.75" w/o rack ears (19" with rack ears)
- Height: 3.5" (2U)

Weight

- 35 lbs without drives (60 lbs with drives)

Cooling

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

Power Supply

- Dual redundant removable power modules
- 1+1 hot swappable
- AC input: 90 ~ 264 VAC, 47Hz ~ 63Hz, 5.0A
- Continuous output power: 300W

Notification / Alarm

- Email, fax, pager, and broadcast features
- SNMP trap (remote notification)
- Internal audible alarm

Certifications

- FCC
- UL
- VCCI
- BSMI
- CE
- TUV

To find an authorized dealer

contact us at: info@enhance-tech.com

Enhance Technology, Inc. Santa Fe Springs CA 90670

Phone: 1-562-777-3488 **Fax:** 1-562-777-3499

Email: sales@enhance-tech.com **Web:** www.enhance-tech.com