



## Product Overview

The RS3160SA represents the pinnacle of hybrid Serial ATA technology. ULTRASTOR™ RS3160SA opens the door to the world of high performance computing by integrating emerging SATA technologies with next generation interface connectivities. Specifically designed to address the challenges of high impact/high volume storage requirements, ULTRASTOR™ RS3160SA yields superior performance that offers a new level of application possibilities. RS3160SA continues the ULTRASTOR™ tradition by delivering a solution that raises the bar in reliability, functionality and versatility.

## Professional Grade Performance

With two Ultra320 SCSI channels, two 2Gb/4Gb SFP Fibre channel ports, the RS3160SA provides increased reliability and functionality critical to a company's IT infrastructure. ULTRASTOR™ RS3160SA 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 image processing, web streaming, data centers, media & asset management libraries, file, print and database servers.

## High Data Availability

The RS3160SA 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 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

- 3U 16-SATA disk external storage
- Multiple RAID configuration options
- Complete system & volume management
- Powerful 64-bit hardware architecture
- Supports up to 16TB of raw storage
- SATA to SCSI or Fibre connectivities
- Hot swappable components
- Secure control panel with backlit LCD
- Cost effective storage solutions

## Storage Management

The RS3160SA can be completely configured in minutes using the secure 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 RS3160SA offers an optional management software that includes the essential tools required to manage and monitor your RS3160SA.

## 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 RS3160SA also provides an audible alarm in the event of a component failure.



*Where Storage Begins*

## Form Factor

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

## System Architecture

- SATA-to-Ultra320 SCSI (Ultra160 support)
- SATA-to-2Gb Fibre Channel (1G copper support)
- SATA-to-4Gb 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 RAID engine
- Dual PCI bus architecture
- 64-bit 133MHz PCI-X bridge
- 512MB cache (upgradable to 1G)
- Upgradable firmware in flash ROM
- Optional battery backup module

## Controls and Indicators

- Backlit front 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, 30, 50 and 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
- Graphical Management Software
- RS232 VT100 ANSI terminal emulation
- TCP based remote monitoring

## 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

- 3x300W autosensing redundant power supply
- Three removable (triple input) industrial grade modules
- AC input: 100 ~ 240 VAC, 46Hz ~ 63Hz
- Continuous output power: 600W

## Notification / Alarm

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

## Certifications

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

## Compliance (EMC)

- 89/336/EEC EMC Directive

## Manufacturer Warranty

- System Warranty: 3-year
- Advanced Replacement: 90 Days



To find an authorized dealer

contact us at: [info@enhance-tech.com](mailto: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](mailto:sales@enhance-tech.com) Web: [www.enhance-tech.com](http://www.enhance-tech.com)