

# EnhanceRAID™ R4 SS

The SAS-to-SATA RAID Storage System

[www.enhance-tech.com](http://www.enhance-tech.com)



## Product Overview

The EnhanceRAID™ R4 SS is the latest multi-drive rackmount enclosure to integrate the latest advances in next generation SAS (Serial Attached SCSI) technology and Multi-lane host connectivity. A pioneer and leader in hybrid I/O technologies, Enhance Technology introduces the Rackmount EnhanceRAID R4 SS, a hardware based RAID Rackmount storage system model, developed for OEM, VAR & storage solutions providers. The EnhanceRAID R4 SS empowers users with performance exceeding enterprise-class SCSI system at a lower lower cost of ownership.

## Easy Management

EnhanceRAID™ R4 SS is extraordinary in its simplicity, ease of use, installation, and storage management. Our user friendly Web Graphical User Interface allows user to deploy and manage the disk array from virtually anywhere in the world with internet access. No additional management software will be needed. With the "Quick Install" wizard, the storage administrator can get the system up and running in just a few minutes; setting up RAID level, volume, cache can all be completed and also monitored through the simple Web GUI.

## High Data Availability

The R4 SS 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 for years to come. Features such as drive failure detection, automatic drive rebuild, hot spare assignment and background rebuild, making it possible for users to monitor and address system conditions. Dynamic On-line RAID expansion allows additional capacity to be added without total system down time, providing user the peace of mind knowing your data is going to be protected at all time.

## Ideal Application

- Email Archives
- Data Protection (RAID)
- Digital Surveillance (Security)
- Digital Audio Recording
- Desktop Publishing
- Video Editing (DV, SD, HD)
- Data Backup Storage

## RAID Management

- Support RAID levels 0, 1, 0+1, 3, 5, 6
- Support on-line volume expansion
- Support dedicated hot spare disk
- Support multiple RAID volumes
- Configurable RAID stripe size

## System Features

- **Hardware RAID** Intel Xscale 80331 Processor
- **Housing** Compact 1U rackmount enclosure design
- **Host Bandwidth** Up to 300MB/s transfer rate
- **Disk I/O** support 4 Serial ATA 3.0 Gbps (SATA II) HDDs
- **Disk Compatibility** SATA 1.5 Gbps & 3.0 Gbps SATA Disks
- **Hot-Swappability** 4 removable drive tray design
- **Thermal** built-in terminal and fan sensor for protection
- **Cooling** 4 system cooling fans & dynamic venting design
- **RAID Setup** thru easy WebGUI
- **Event Notification** thru SNMP
- **Storage Capacity** up to 6.0 TB (4 x 1.5TB HDDs)



*Where Storage Begins*

## Model Specifications

- **Storage Processor** Intel Xscale 80331 Processor
- **Hybrid Technology** SAS-to-SATA
- **Supported RAID Levels** 0, 1, 0+1, 3, 5, 6 & JBOD
- **Memory** 512MB~1GB DDR 333 Supported
- **Max. HDD Supported** 4 SATA I/II HDDs
- **Max. HDD Capacity** Up to 6 TB
- **Host Connection** Multi-Lane 8470
- **Remote management** Thru 1 Ethernet Port
- **RAID management** Web browser & SNMP
- **OS Independent & Transparent** Yes

## Enclosure Specification

- **Hot-Swappability** 4 x Removable HDD Tray
- **Drive Failure** 1 LED indicator for each HDD
- **System Fan** 4 x 4 cm System Cooling Fans
- **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** 1x build-in 180 Watt
- **Dimensions(H x W x D)** 1.75" x 17" x 21.5"
- **Weight (without disk)** 26 Lbs

## Physical & Environment

- **Operating Temperature** 10°C ~ 35°C
- **Non-Operating Temperature** -10°C ~ 50°C
- **Relative Humidity** 5% to 95% non-condensing

## Supported Operating System

- Windows XP, 2000, 2003, 2008
- Mac OSX 10.4, 10.5
- Linux RedHat Enterprise

## Power Supply (180Watt)

- **Input Range** 110 to 240 VAC. 10%
- **Voltage** +5V/25A +12V/10A 47-63Hz

## Manufacturer Warranty

- **System Warranty** 2 years

To find an authorized dealer

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