

EnhanceRAID™ R4

The SCSI-to-SATA RAID Storage System

www.enhance-tech.com



Product Overview

Proudly presented by Enhance Technology, the EnhanceRAID™R4 is a 1U rackmount storage appliance with built-in OS transparent RAID engine that targets SMB, Workgroup, and Departmental backup usage. It comes with a hardware RAID engine that wraps Four (4) SATA disks into one RAID (0, 1, 3, 5, 6) protected volume, while connecting to the high bandwidth Ultra320 SCSI port. The EnhanceRAID™ R4 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.

Easy Management

EnhanceRAID™R4 system is unparalleled in its simplicity, easy 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.

High Data Availability

The R4 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 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.

Ideal Application

- For JBOD or RAID
- Email Archives
- Data Protection
- Digital Video Recording (DVR)
- Digital Surveillance (Security)
- Digital Audio Recording
- Desktop Publishing
- Video Editing (DV)

RAID Management

- Support RAID levels 0, 1, 0+1, 3, 5, 6, and JBOD
- Support on-line volume expansion
- Support dedicated hot spare disk
- Support multiple RAID volumes
- S.M.A.R.T. enabled

System Features

- **Hardware RAID** Intel 80331 500Mhz 64bit RISC Processor
- **Housing** Ultra Compact 1U rackmount enclosure design
- **Host Bandwidth** Ultra320 SCSI at 260 MB/s transfer rate
- **Disk I/O** support 4+ Serial ATA 3.0 Gbps (SATA II) HDDs
- **Backward Compatibility** Ultra160 SCSI (Host)
- **Disk Compatibility** SATA 1.5 Gbps & 3.0 Gbps SATA Disks
- **Hot-Swappable** 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 Web GUI
- **Event Notification** thru SNMP
- **Storage Capacity** up to 3.0 TB (Four 750GB HDD)



Where Storage Begins

Model Specifications

- **RAID Engine** EnhanceRAID 320
- **Storage Processor** Intel IOP80331 500Mhz
- **Hybrid Technology** SCSI-to-SATA
- **Supported RAID Levels** 0, 1, 0+1, 3, 5, & JBOD
- **Memory** 512MB~2GB DDR333 DIMM
- **Max. HDD Supported** 4+ SATA I/II HDDs
- **Max. HDD Capacity** 750GB
- **Max. System Capacity** up to 3.0TB
- **Host Connection** 1- Ultra320 SCSI Port
- **Remote management** thru 1-Ethernet Port
- **RAID management** Web browser & SNMP
- **OS Independent & Transparent** Yes

Enclosure Specification

- **Hot-Swappable** 4 x Removable HDD Tray
- **Drive Failure** 1 LED indicator for each HDD
- **System Fan** 4 x 4cm 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** AC Input: 100-240V
- **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

Package Included

- 1x Ultra320 SCSI Cables
- 1x Ultra320 SCSI Terminators

Supported Operating System

- Windows 95, 98/98SE, NT, 2000, Millennium, XP, 2003
- Mac 9.1 and above, including OS X, OS X Server, XSERVE
- Mac 8.6-9.04 support possible with ATTO SCSI HBA.
- Linux (all latest builds) which support SCSI.
- And all other systems supporting SCSI protocol

Power Supply

- **Input Range** AC Input: 100-240V, ~2A, 50~60Hz
- **Output Voltage** +12V/5A +5V/5A
- **Agency Approval** EMI/RFI, CE, FCC B, BSMI
- **Safety** UL, cUL, CB, TUV, CCC

Manufacturer Warranty

- **System Warranty** 3 Years

To find an authorized dealer

Contact us at : info@enhance-tech.com

