



## Product Overview

Proudly presented by Enhance Technology, the EnhanceRAID™R6 is a 2U rackmount Disk-2-Disk (D2D) Backup 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 six (6) SATA disks into one RAID (0, 1, 3, 5) protected volume, while connecting to the high bandwidth Ultra320 SCSI port. One additional 5.25" standard bay is reserved for Tape (D2D2T) or other removable storage media (DVD or HD-DVD) for offline backup purpose. The EnhanceRAID™ R6 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™R6 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.

## RAID Management

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

## Ideal Application

- For JBOD or RAID
- Email Archives
- Data Protection
- Disk to Disk Backup (D2D)
- Digital Video Recording (DVR)
- Digital Surveillance (Security)
- Digital Audio Recording
- Desktop Publishing
- Video Editing (DV, SD, HD)
- SCSI SAN
- Virtual Tape

## System Features

- **Hardware RAID** Intel 80331 500Mhz 64bit RISC Processor
- **Housing** compact 2U rackmount enclosure design
- **Host Bandwidth** Ultra320 SCSI at 260 MB/s transfer rate
- **Disk I/O** support 6+ Serial ATA 3.0 Gbps (SATA II) HDDs
- **Backward Compatibility** Ultra160 SCSI (Host)
- **Disk Compatibility** SATA I 1.5 Gbps
- **Hot-Swappability** 6+ removable drive tray design
- **Cooling** aluminum enclosure & dynamic venting design
- **RAID Setup** thru easy WebGUI
- **Event Notification** thru SNMP
- **Thermal** built-in terminaland fan sensor for protection



## 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** 2GB Supported
- **Max. HDD Supported** Up to 6 SATA I/II HDDs
- **Max. HDD Capacity** up to 1.5TB
- **Max. System Capacity** up to 9.0 TB
- **Host Connection** 1- Ultra320 SCSI Port
- **Remote management** thru 1-Ethernet Port
- **RAID management** Web browser & SNMP
- **OS Independent & Transparent** Yes

## Enclosure Specification

- **Hot-Swappability** 6 x Removable HDD Tray
- **Drive Failure** 1 x LED indicator for each HDD
- **System Fan** 3 x 8cm Hot-Swappable fan
- **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-Swappable Redundant (2x400 Watt)
- **Dimensions(H x W x D)** 3.5 " x 19 " x 21.25"
- **Weight (without disk)** 40 Lbs

## Physical & Environment

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

## Optional Features

- Battery Backup

## Supported Operating System

- Windows 98 SE, ME, 2000, XP, 2003, Vista, 2008
- Mac 9.X 10.X
- Red Hat Enterprise, Linux5
- VMware, ESX 3.5

## Power Supply (250Watt)

- **Input Range** 110 to 240 VAC. 10%
- **Voltage** +5V/25A +12V/10A 47-63Hz
- **Agency Approval** EMI/RFI, CE, FCC B, BSMI
- **Safety** UL, cUL, CB, TUV, CCC

## Manufacturer Warranty

- **System Warranty** 2 years
- **Advanced Replacement** 30 Days

To find an authorized dealer

Contact us at : [info@enhance-tech.com](mailto:info@enhance-tech.com)

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