

## Product Overview

Designed for the demands of today's data intensive applications, the new R16, the intelligent RAID system, sets a new standard for enterprise 24x7 Direct-Attached-Storage (DAS) solutions. Equipped with dual Ultra320 SCSI ports, the new R16 DAS system is the most capable and versatile storage system that has been widely used in the applications of disk-to-disk (D2D) backup, email archive, enterprise shared storage, video production, and digital surveillance, and broadcast applications.

The frequent winner in price/performance category, R16 intelligent RAID system starts at 2TB of raw capacity and supports up to sixteen (16) Serial ATA (SATA) disks in an industrial compact 3U rackmount design that drives data and file up to 400 MB/s speed with the dual high speed Ultra320 SCSI ports, far beyond software based competition can produce.

## Easy Management

EnhanceRAID™ R16 editing storage 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, 6 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** Rack mountable enclosure design
- **Host Bandwidth** Ultra320 SCSI at 260 MB/s transfer rate
- **Disk I/O** support 16+ Serial ATA 3.0 Gbps (SATA II) HDDs
- **Backward Compatibility** Ultra160 SCSI (Host)
- **Disk Compatibility** SATA I 1.5 Gbps
- **Hot-Swappability** 16+ removable drive tray design
- **Cooling** aluminum enclosure & dynamic venting design
- **RAID** Setup thru easy WebGUI
- **Event Notification** thru SNMP
- **Storage Capacity** up to 8 TB (16 x 500GB HDD)
- **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** 128MB~2GB DDR333 DIMM
- **Max. HDD Supported** 16+ SATA I/II HDDs
- **Max. HDD Capacity** 500GB
- **Max. System Capacity** up to 8.0TB
- **Host Connection** 2 Ultra320 SCSI Port
- **Remote management** thru 1-Ethernet Port
- **RAID management** Web browser & SNMP
- **OS Independent & Transparent** Yes

## Enclosure Specification

- **Hot-Swappability** 16 x Removable HDD Tray
- **Drive Failure** 16 LED indicator for each HDD
- **System Fan** 4 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
- **Security** Lockable front door
- **Power Supply** 2+1 Hot-Swappable Redundant
- **Dimensions(H x W x D)** 3.5 " x 19 " x 22"
- **Weight (without disk)** 35 Lbs

## Physical & Environment

- **Operating Temperature** 10°C ~ 35°C
- **Temperature** built in thermal & fan sensor
- **Non-Operating Temperature** -10°C ~ 50°C
- **Relative Humidity** 20% to 90% non-condensing

## Optional Features

- Snapshot on the box
- N-way Mirror
- Battery Backup

## Supported Operating System

- Windows 95, 98/98SE, NT, 2000, Millennium, XP, 2003
- Mac 9.1 and above, including OSX, OSX 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 (325Watt)

- **Input Range** 100 to 240 VAC. 50-60Hz 6.3A
- **Voltage** +5V/30A +12V/20A +3.3V/18A
- **Agency Approval** EMI/RFI, CE, FCC B, BSMI
- **Safety** UL, cUL, CB, TUV, CCC

## Manufacturer Warranty

- **System Warranty** 3 years
- **Advanced Replacement** 90 Days

To find an authorized dealer

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

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