

Product Overview

A Pioneer and leader in hybrid I/O technologies, Enhance Technology introduces the company's 1st HOST Independent RAID controller product line, developed for OEM & custom solution applications. The EnhanceRAID™ 320 features a next generation 64-bit Scale Core processor capable of sustaining data rates up to 485MB/Sec, and offers a cutting edge "web-based" user interface which provides complete storage control over a standard web browser. The EnhanceRAID controller line features dual Ultra320 SCSI interface with support for eight or sixteen (16) Serial ATA I/II disks. A 5.25" form factor ensures support for virtually any disk array chassis. EnhanceRAID controllers provide a host of RAID advanced functions, empowering users with capabilities normally found in enterprise-class storage modules.

VERSATILE RAID STORAGE MODULE

EnhanceRAID is a custom configurable RAID controller that helps OEMs and Integrators to determine the optimal number of disk drives to be included in their RAID protected system. It 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.

SATALINK™ TECHNOLOGY

Technology The EnhanceRAID controller was built on the world-known hybrid I/O technology, the SATALink™, a SCSI-to-SATA converging technology pioneered by Enhance Technology to bring low-cost SATA disks to the broadband high performance computing environments. The SATALink™ hybrid I/O technology has been since helped resellers and integrators to offer more cost/effective storage solution to the end customers.

NEXT GENERATION STORAGE ENGINE

Performance Powered by the latest Intel IOP80331 storage processor, the EnhanceRAID™ controller produces an outstanding 485MB/s (dual channels) speed to satisfy for users with large video editing, data backup or recovery, and archiving projects.

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
- **Host Bandwidth** Ultra320 SCSI and backward compatible
- **Disk supported** Serial ATA I&II at 3.0 Gbps
- **Backward Compatibility** Ultra160 SCSI (Host)
- **Precision Crafted** Multi-layered PCB
- **RAID Setup** thru easy WebGUI
- **Event Notification** thru SNMP
- **Storage Capacity** up to 8.0 TB (Sixteen 500GB HDD)

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

Hardware Specifications

MODEL COMPARISON	E320	S320
FORM FACTOR	5.25"	5.25"
PROCESSOR	64-BIT 500MHZ	64-BIT 500MHZ
DISK INTERFACE	SATA/SATA 3GB	SATA/SATA 3GB
HOST INTERFACE (AVAILABLE I/O)	1XU320/HD68-PIN	2XU320/HD68-PIN
NUMBER OF DISK SUPPORTED	UP TO 8	UP TO 16
PERFORMANCE	UP TO 300MB/SEC	UP TO 485MB/SEC
NETWORK MANAGEMENT	YES VIA RJ45	YES VIA RJ45
TERMINAL MANAGEMENT	YES VIA RS232	YES VIA RS232
POWER	STANDARD 4-PIN	STANDARD 4-PIN

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

Physical & Environment

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

Manufacturer Warranty

- **RAID Engine** 3 years

Optional Features

- RAID level 6 & 60
- Snapshot on the box
- N-way Mirror

Image Gallery



To find an authorized dealer

Contact us at : info@enhance-tech.com

Enhance Technology, Inc. Santa Fe Springs, CA 90670

Tel: 1-562-777-3488 **Fax:** 1-562-777-3499

Email: sales@enhance-tech.com **Web:** www.enhance-tech.com