

EnhanceRAID™ T5SS

The SAS-to-SAS Desktop RAID Storage

www.enhance-tech.com



Product Overview

Enhance Technology introduces the cost/effective T5SS Series desktop RAID storage system product line with built-in EnhanceRAID™ Engine, developed for OEM, VAR, & storage solution providers. The EnhanceRAID™ T5SS (SAS SFF-8470) features a next generation 64-bit Scale Core processor capable of sustaining data rates up to 330MB/Sec, and offers a cutting edge "web-based" user interface which provides complete storage control over a standard web browser. The EnhanceRAID™ T5SS (SAS) system features 4xSAS Infiniband (SFF-8470) interface with support upto five (5) SATA I&II disks. EnhanceRAID™ systems provide a host of RAID advanced functions, empowering users with capabilities normally found in enterprise-class storage systems.

Easy Management

EnhanceRAID™ controller 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

- RAID levels supported 0, 1, 0+1, 3, 5, 6, 50, 60 & 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)
- SAN
- Virtual Tape

System Features

- **Hardware RAID** Intel 80331 500Mhz 64bit RISC Processor
- **Housing** traditional black desktop enclosure
- **Host Bandwidth** SAS Infiniband (SFF-8470)
- **Disk I/O** support 5+ SATA II 3.0 Gbps HDDs
- **Disk Compatibility** SATA I 1.5 Gbps
- **Hot-Swappability** 5+ removable drive tray design
- **Cooling** excellent venting and cooling system design
- **RAID Setup** thru easy WebGUI
- **Event Notification** thru SNMP
- **Storage Capacity** up to 3.75 TB (Five 750GB HDDs)
- **System performance** over 300 MB/sec
- **Additional Drive Bay** for optional expansion
- **Additional Drive Bay** for optional expansion



Where Storage Begins

Model Specifications

- **RAID Engine** EnhanceRAID 320
- **Storage Processor** Intel IOP80331 500Mhz
- **Hybrid Technology** SAS-to-SATA
- **Supported RAID Levels** 0, 1, 0+1, 3, 5, 6 & JBOD
- **Memory** 128MB~2GB DDR333 DIMM
- **Max. HDD Supported** 5+ SATA II HDDs
- **Max. HDD Capacity** 750GB
- **Max. System Capacity** up to 3.75 TB
- **Host Connection** 1- SAS Infiniband (SFF-8470) Port
- **Remote management** thru 1-Ethernet Port
- **RAID management** Web browser & SNMP
- **OS Independent & Transparent** Yes

Enclosure Specification

- **Hot-Swappability** 5 x Removable HDD Tray
- **Drive Failure** 5 LED indicator for each HDD
- **System Fan** 6cm x 2
- **Power Supply Fan** 8cm x1
- **Power Supply** 250Watt 110/240V auto-switching
- **Dimensions(H x W x D)** 7.5 " x 10.5 " x 17"
- **Weight (without disk)** 26lb

Physical & Environment

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

RAID Features

- RAID Level 6 & 60 Support
- Email Event Notification
- Online Dynamic Expansion

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 SAS HBA.
- Linux (all latest builds) which support SAS HBA
- And all other systems supporting SAS protocol

Power Supply (250Watt)

- **Input Range** 115 to 230 VAC. 10%
- **Voltage** +5V/25A +12V/10A 50-60Hz
- **Agency Approval** CE, FCC B
- **Safety** UL, cUL, CB, TUV, CCC

Manufacturer Warranty

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



To find an authorized dealer

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