



## 8 Bay RAID 3U Subsystem Single Host Ultra3 to IDE

With Support for:

- RAID Levels 0, 1 (0+1), 3, 5
- Single Ultra3 SCSI Host Channel
- 8 Ultra DMA 100 Disk Channels

*FAULT DETECTION  
HOT-SWAP MAINTENANCE  
UNINTERRUPTED OPERATION*



### Enclosure

- Attractive Low Profile, 3U Enclosure, in Rackmount or Tower Configurations.
- Includes One RAID Controller and 8 ATA-100 IDE Hard Disk Drive Trays.
- Dual 300W, Hot-Swappable, Redundant, Load Sharing Power Supplies
- Dual Hot-Swappable, Redundant Fan Assemblies Provide Front-to-Rear Cooling.
- Easy Hot-Swappable Replacement of Drives, Power Supplies and Fans While System Remains Online
- Hot Spare for Stand-by Disk Drive Automatically Takes Over in the Event of a Disk Failure
- System Status Visual Indicators and Audible Alarms for Individual Components - Drive Trays, Power Supplies and Fans
- Aluminum Drive Trays for Heat Dissipation and Emissions Protection.
- Cableless Design Utilizes Backplane and Connectors to Improve Signal Quality and System Reliability.
- Automatic Drive Failure Detection and Automatic Drive Online Rebuilding
- Audible Alarm, Pager and Fax Notification
- Agency Approved
- One Year Warranty

### Controller

- Four UltraDMA 100 Disk Channel's
- Power Intel i80303 64 Bit RISC CPU
- Standard 64Mb Cache Memory on One SDRAM Upgradable up to 256Mb
- Firmware in Flash ROM for Easy Upgrades
- Automatic Bad-Sector Reassignment

### Host Interface

- Single Ultra3 SCSI
- Transfer Rate up to 160Mbps/Channel

### Management Software

- GUI Software for Windows 2000 / NT Available
- Firmware Embedded Manager via RS-232C (Platform Independent)





**ELECTRICAL**

**AC Input Power**

Voltage 110-230VAC ± 15%  
Frequency 50 to 60Hz  
Protection 10A/250V Fuse  
Efficiency PFC Function

**DC Output Power**

(Two Units - Load Sharing)  
Continuous 300W Each, 600W Total

**ENVIRONMENTAL**

**Temperature**

Operating 10 to 35° C  
Storage -40 to 60° C

**Humidity**

20% to 80%  
Non-Condensing

**Altitude**

Operating 0 to 10,000 Feet  
Storage 0 to 30,000 Feet

**PHYSICAL**

**Installation**

Tower or Rackmount Configurations Available

**Dimensions (RM8S)**

19" w x 22.5" d x 5.25" h

**(TR8S)**

7" w x 14.5" d x 17" h

**Weight**

RM8S - 33 Lbs (w/o Disk Drives)  
TR8S - 40 Lbs (w/o Disk Drives)

**CONFIGURATION**

**Drive Trays**

Eight 3.5 x 1 Inch Low Profile Drive Trays  
(Supports up to ATA 133 HDD's)

**Power Supplies**

Dual 300W Power Supplies with PFC

**RAID Controller**

Fixed Mount

**HOST & COMMUNICATION**

**Ultra3 Host**

Two Standard 68 pin Connections

**Terminal**

One RS232

**Modem**

One RS232

**COOLING**

Two Fan Modules Provide Front to Rear Cooling  
Dual Fans Within Individual Power Supplies  
All-Metal Construction with Aluminum Drive Trays

**ACCESS**

**Peripherals**

Fast-Disconnect Trays - Hot- Swappable

**Power Supplies**

Mounted on Rear Panel, Secured by Captive  
Screws - Hot-Swappable

**Fans**

Mounted on Rear Panel, Secured by Captive  
Screws - Hot-Swappable

**FAULT INDICATORS**

**Drive Power**

Red LED - Error, Green LED - Online

**Power Supplies**

Red LED on Front of Enclosure and Audible  
Alarm

LEDs on each Power Supply Module  
Identifying Specific Failed Power Supply  
LEDs on Front Panel and Audible Alarm

**Fans**

**ADDITIONAL OPTIONS**

Tower or Rackmount Configurations  
Local/Remote Critical Component Monitor - Power Supplies,  
Fans, Environmental Temperature

1. RS232 Port (For Terminal)
2. Modem Port
3. Host SCSI Channel Port
4. Power Switch
5. System Cooling Module 1.
6. System Cooling Module 2.
7. System Cooling Module Fail Indicator.
8. Power Inlet
9. Power Supply "Alarm" Reset Button.
10. Power Module 1 .
11. Power Module 2 .
12. Power Indicator LED on Module.

