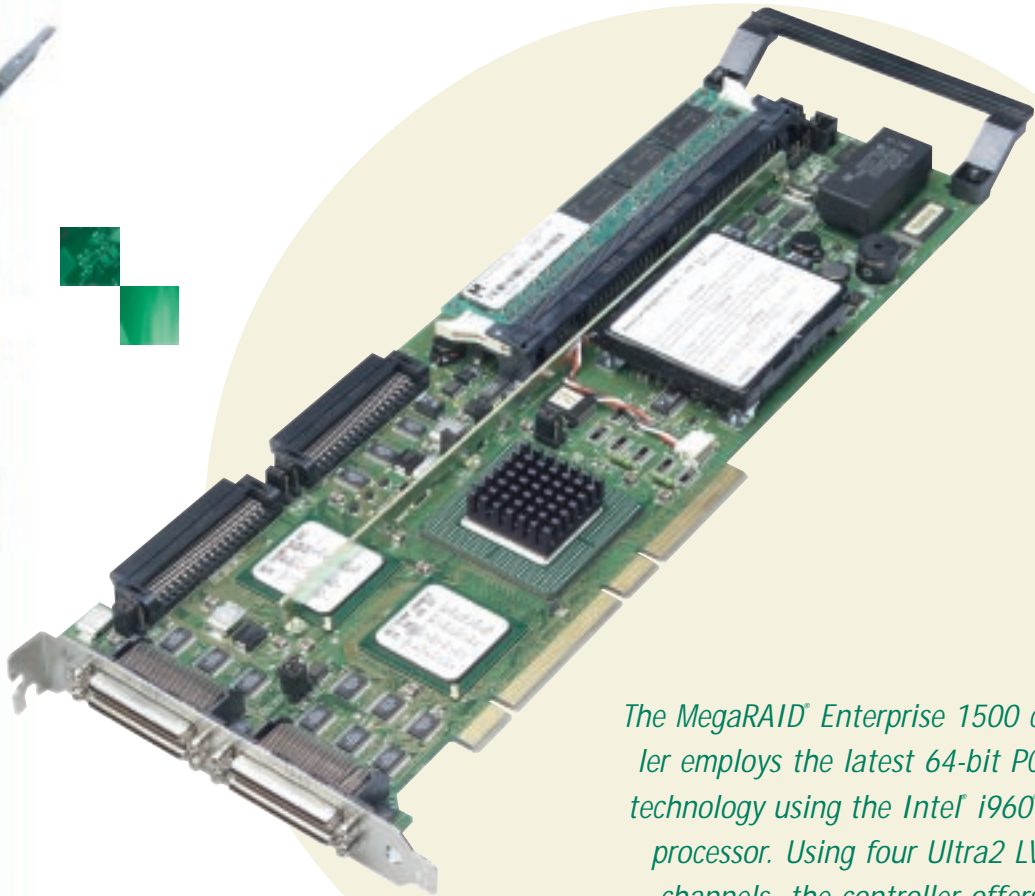


MegaRAID® Enterprise 1500 (Series 467)

High Performance RAID Controller



The MegaRAID® Enterprise 1500 controller employs the latest 64-bit PCI RAID technology using the Intel® i960®RN I/O processor. Using four Ultra2 LVD SCSI channels, the controller offers enterprise server environments unequalled performance and reliability.

Key Features

- Intel® i960®RN Processor with a 100 MHz JX (RISC) Core
- 66 MHz 64-Bit ECC SDRAM Controller
- Four Ultra2 LVD SCSI Channels
- PCI 2.2 Compliant
- PCI Bus Master with Burst Data Rate up to 266 MB/s
- One DIMM Socket with 66 MHz 72-Bit Unbuffered 3.3 V ECC SDRAM Supporting up to 128 MB
- Standard NT® Clustering Support
- Advanced Management and Configuration Utilities

Optional Features

- On-Board Battery Backup Module for Cache Memory
- Memory Options Shipped Include 32 and 64 MB ECC SDRAM

Controller Specifications

Intel i960^{RM} 64-Bit Intelligent I/O Processor
- Universal 64-Bit PCI
- PCI 2.2 Compliant
- 100 MHz i960JX Core
- 16 KB 2-Way I-Cache, 4 KB D-Cache
- PCI Bus Master with Burst Data Rate up to 266 MB/s
Full Length PCI Card (12.3"x4.2")
66 MHz 64-Bit ECC SDRAM Controller
I/O Messaging Unit
Built-in Hardware XOR Engine for RAID Parity
On-Board Battery Backup Unit
ACPI Support
PC 99 Compliant

Controller Cache

One DIMM Socket with 66 MHz 72-Bit Unbuffered 3.3 V ECC SDRAM
- Configurable from 16 MB to 128 MB DIMM

SCSI Specifications

Two LSI Logic 53C896 Ultra2 LVD/SE Dual SCSI Controllers
- Four External P68 Connectors (VHDC)
- Two Internal P68 Connectors (UHD)
- SCSI Cable Lengths of up to 12 Meters With LVD Drives
- Auto-Switching LVD-SE Terminators
- Automatic Termination Enable/Disable Via Cable Detection
- Optional Jumpers for SCSI Bus Termination and Tempwr Control

RAID Features

Supports up to 15 Devices per Channel
Supports RAID Levels 0, 1, 3, 5, 10, 30 & 50
Tagged Command Queuing
Supports Scatter/Gather
Multi-Threading of up to 256 Commands Simultaneously
Variable Stripe Size for All Logical Drives
Supports up to 6 Non-Disk Drives per Adapter
Write Through or Write Back on a Logical Drive Basis
Adaptive Read-Ahead
I/O Shell Support

On-Board Peripherals

1 MB Flash ROM
32 K of NVRAM for RAID Configuration Storage
Audio Buzzer Indicates RAID System Error/Warning
RS232 Serial Communication Port for Diagnostics and Debugging

Server Clustering Support

Hardware Support
MSCS[™] Support Via Unified Firmware

Fault Tolerance

COD - Configuration On Disk
Automatic Detection of Failed Drives
Automatic and Transparent Rebuild of Hot Spare Drives
Hot Swapping of New Drives without Bringing the System Down
On-board Battery Backup Module for Cache Memory
- Provides up to 72-hour Data Retention
Support for SAF-TE Enclosure Management
Serial Communication Interface
SMART Communication

Universal Driver Suite

Novell[®] NetWare[®] 3.1x, 4.x & 5.0
- HAM, DDFS, & ASPI Driver
Windows NT[™] 3.5x/4.0/2000
- Miniport Driver
SCO[®] UNIX[™] 2.x SVR 4.2 & ODT[™] 3.0 & 5.0
- MSCSI Driver
UNIXWare[®] & SMP 2.x & 7.0
- PDI Driver
DOS 5.0 and Above
- ASPI Driver
Linux Redhat
Solaris 2.6 & 7
OS/2 Warp

MegaRAID[®] Management

Power Console Plus[™]
Creates and Manages Multiple Disk Arrays
Controls and Monitors Multiple RAID Servers
- Programmable Rebuild Rate by Logical Drive
- Configuration Wizard
- Event Monitoring by Severity Level
- Y2K Compliant
- User Friendly GUI (Windows[®] NT 4.0 Look and Feel)
- SNMP Support
- FlexRAID[™] Included
- Client and Server Modules All-in-One
- Background or Schedulable Check Consistency
- Silent Install
Hot Key "Boot-up" Configuration via BIOS WebBIOS[™]
Browser-based BIOS Configuration Utility
- Color and Complete Mouse Control at Boot-Up Time
- BUI (Browser User Interface) Look and Feel
- Dynamic Links Set New Standards of Usability
- Point-and-Click Configuration
Non-GUI MegaRAID Manager

Other High Performance RAID Controllers from AMI

MegaRAID[®] Enterprise 1600
MegaRAID[®] Enterprise 1400

How to Order AMI Products:

Use the coding system below to determine the correct product code for ordering MegaRAID Enterprise 1500 controllers.

4 6 7 4 _ 1 0 2 _ _ _

Battery Code

0 - No Battery Backup
5 - Battery Included

Memory Configuration

0 0 - No Memory Module
3 2 - 32 MB ECC SDRAM
6 4 - 64 MB ECC SDRAM

Packaging Options

A - Retail Packaging with Accessories*
D - Bulk Packaging with Accessories* (Minimum 10 Controllers)
M - Bulk Packaging with Controller Only (Minimum 10 Controllers)

*Accessories include: Drivers, warranty and registration, Quick Installation Guide and Manuals on CD

Sample Order:

4 6 7 4 0 1 0 2 6 4 A

Customer Receives:

Enterprise 1500 Controller, No Battery, 64 MB SDRAM, in Retail Packaging

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