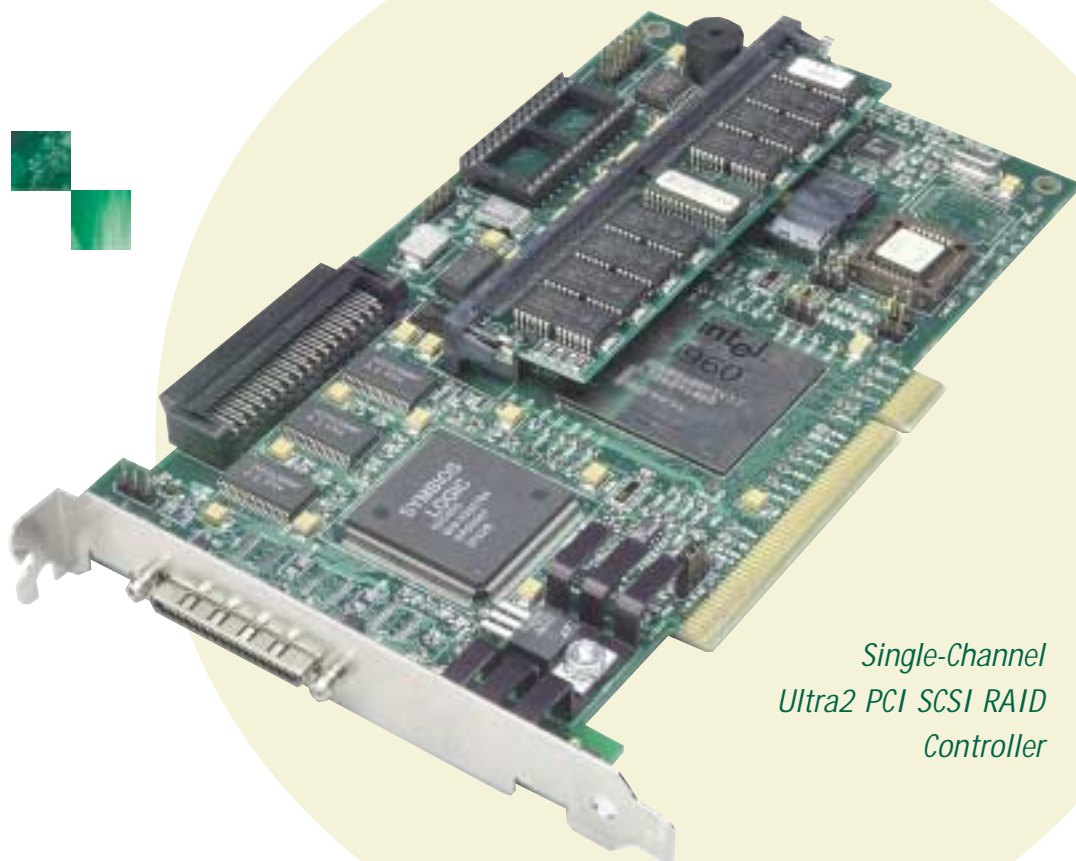


# MegaRAID® Express 200

*Low Cost RAID Controller*



*Single-Channel  
Ultra2 PCI SCSI RAID  
Controller*

The ideal solution for the OEM, VAR or System Integrator in search of a low-cost, high-performance PCI Ultra2 RAID Controller. With full I/O support and an Ultra2 LVD SCSI channel, the MegaRAID Express 200 provides the perfect tool for entry-level servers and performance workstations.

**American  
Megatrends**  
STORAGE INTELLIGENCE  
[www.ami.com](http://www.ami.com)

## Express 200

Up to 128 MB  
Cache Using  
Single SIMM Slot

Intel i960® RP  
32 Bit RISC Processor  
@ 33 MHz

68 Pin  
High Density  
Internal Connector

68 Pin Ultra  
High Density  
External Connector

Symbios® Logic 53C895  
(LVD/SE) SCSI Processor

### Controller Specifications

Intel i960® RP 32 bit RISC Processor @ 33 MHz  
PCI 2.1 Compliant  
PCI Bus Master with Burst Data Transfer Rate of 132 MB/sec.  
Up to 128 MB Cache Using One 72 Pin SIMM Bank  
-Write Through or Write Back on a Logical Drive Basis  
-Adaptive Read-Ahead  
-EDO or FPM SIMMs  
AMIBIOS® RAID Firmware on Flash EPROM  
Nonvolatile RAM Stores RAID Configuration  
Tone Generator Provides Audible System Warnings  
Half-Length PCI Footprint (7.5" x 4.2")

### SCSI Specifications

Single Symbios Logic 53C895 (LVD/SE) SCSI Processor  
Supports Ultra2 Speeds of 80 MB per second  
SCSI Cable Lengths of up to 25 Meters with LVD Drives  
Low Voltage Differential or Single Ended SCSI Bus with Active Termination  
Automatic Termination Disable via Cable Detection  
Single 68 Pin High Density Internal Connector  
Single 68 Pin Ultra High Density External Connector  
Supports up to 15 Devices per Channel  
RAID Levels 0, 1, 3, 5, 10, 30 & 50 Supported  
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

### Clustering Technology

Hardware Support  
OEM Optional Firmware with Multi-Initiator Support  
High Availability through Server Failover

### 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  
Support for SAF-TE Enclosure Management  
SMART (Self Monitoring and Recovery Technology) Support

### Universal Driver Suite

Novell® NetWare® 3.1x, 4.x & 5.0  
-HAM, DDFS, & ASPI Driver  
Windows NT® 3.5x/4.0  
-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  
Redhat Linux®  
Solaris 2.6 & 7  
OS/2 Warp

### MegaRAID® Management

Power Console Plus™  
Creates and Manages Multiple Disk Arrays  
Controls and Monitors Multiple RAID Servers  
-User Friendly GUI (Windows® NT 4.0 Look and Feel)  
-SNMP Support  
-FlexRAID® Included  
-Client and Server Modules  
All-in-One  
-Background or Scheduleable Check Consistency  
-Battery Back-up Support and Monitoring  
-Silent Install  
Hot Key "Boot-up" Configuration via BIOS  
Non-GUI MegaRAID Manager

### Other Entry-Level RAID

Controllers from AMI  
MegaRAID® Express 300  
MegaRAID® Express 500

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