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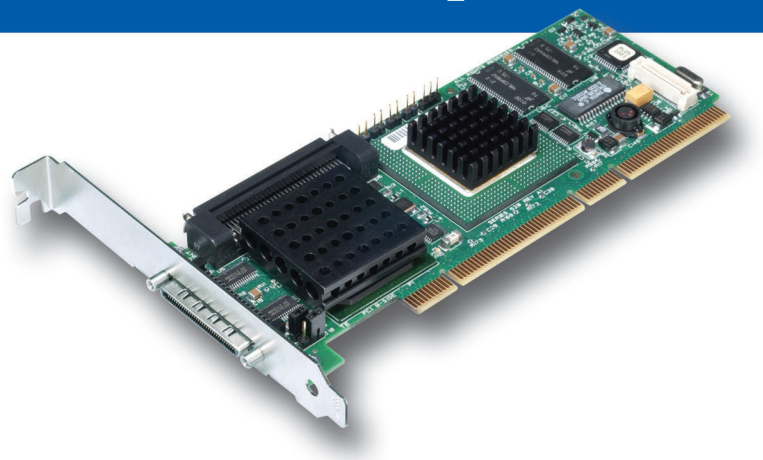
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Find the *Avago Technologies / LSI Logic MegaRAID SCSI 320-1* at our website: *Click HERE*

MegaRAID SCSI 320-1 Ultra320 RAID Adapter



FEATURES

- Single channel Ultra320 SCSI RAID storage adapter
- IA-64 Ready
- Intel® GC80302 integrated I/O processor
- 64-bit, 66 MHZ PCI
- RAID levels 0, 1, 5, 10, and 50 supported
- Integrated 64 MB ECC SDRAM cache memory
- Advanced management and configuration utilities
- Supports up to 40 logical drives per adapter and 15 physical drives per logical array
- Auto resume during array reconstruction
- Background initialization for Quick RAID 5 setup
- FlexRAID®:
  - Online capacity expansion
  - Online RAID level migration

Targeted for 1U and 2U server environments, the MegaRAID® SCSI 320-1 low profile PCI SCSI RAID adapter saves IT managers' expensive rack space, reduces co-location costs and increases the available space for RAID storage, routers and other types of adapters.

MAXIMUM DATA THROUGHPUT IN A COST-EFFECTIVE, SPACE SAVING, SINGLE-CHANNEL ADAPTER

With support for 64-bit addressing and a full RAID feature set, the MegaRAID® SCSI 320-1 delivers unsurpassed data throughput and fault tolerance for your mid-range server or performance workstation. Quick installation and setup capabilities along with easy-to-use management utilities make the MegaRAID® SCSI 320-1 the first choice of OEMs, system integrators and value added resellers (VARs) worldwide.

Designed around LSI Logic's next-generation I/O technology - Fusion-MPT™ (Message Passing Technology) - the MegaRAID® SCSI 320-1 leverages a streamlined firmware-level programming interface and advanced hardware designs to offer unequalled I/O efficiency and performance. The MegaRAID® SCSI 320-1 also incorporates a space-saving MD2 (low-profile PCI) form factor, increasing available space, even in the most limited server and workstation enclosures.

WARRANTY

LSI Logic RAID storage adapters provide high-performance SCSI and IDE solutions to leading server, disk array and computer systems worldwide. Using only the highest quality components, LSI Logic RAID storage adapters are assembled in world-class facilities to assure superior product reliability and performance. Because of stringent quality management programs, our RAID storage adapters carry a three-year limited warranty.

LSI LOGIC®

FUSION-MPT™ MESSAGE PASSING TECHNOLOGY

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

MegaRAID SCSI 320-1 Ultra320 RAID Adapter

Adapter Specifications

MD2 size (low profile) PCI card (6.60" x 2.54")
One LSI531020 single-channel Ultra320 SCSI controller
- One external P68 VHDCI connector
- One internal P68 HDCI connector

Intel® GC80302 integrated I/O processor
- Hardware XOR engine for parity

Integrated 64 MB ECC SDRAM cache memory
Universal 64-bit, 66 MHz PCI
PCI 2.2 compliant
PC 99 compliant
ACPI support

RAID Features

RAID levels 0, 1, 5, 10, and 50 supported
Background initialization for Quick RAID 5 setup
40 logical drives per controller and 15 physical drives per logical array
Auto resume during array rebuild or reconstruction if the system shuts down
Variable stripe size for all logical drives
Supports multiple caching policies on a logical drive basis:
- Write-back/Write-through, Read-ahead: Disable/Enable/Adaptive, and Cache/Direct I/O

Fault Tolerance

COD - Configuration On Disk and NVRAM
Auto detection of failed drives
Automatic and transparent rebuild of hot spare drives
Hot swapping new drives w/o bringing system down
Battery backed cache memory (optional)
Support for SAF-TE enclosure management
SMART support

Universal Driver Suite

Microsoft Windows NT® 4.0/2000/XP/.NET (32-bit and 64-bit)
Linux® Redhat® 7.2, 7.3, 7.2 IA-64
Novell® NetWare® 5.1 and 6.0 Server
DOS 6.XX

Online Management Utility Options

Power Console® Plus for Windows NT®/2000/XP/.NET (32-bit and 64-bit)
- Creates and manages multiple disk arrays, controls and monitors multiple RAID servers

MegaManager
- Advanced character-based configuration and management utility for all OSs supported

Pre Boot Configuration Utility Options

WebBIOS™
- Browser-based BIOS configuration utility for point-and-click MegaRAID configuration

Hot key "Boot-up" configuration via BIOS
- Array and logical drive configuration utility at the BIOS level

For more information please visit the LSI Logic web site at:
http://megaraid.lsilogic.com

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Order No. S20078
3/03-2M – Printed in USA

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