



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

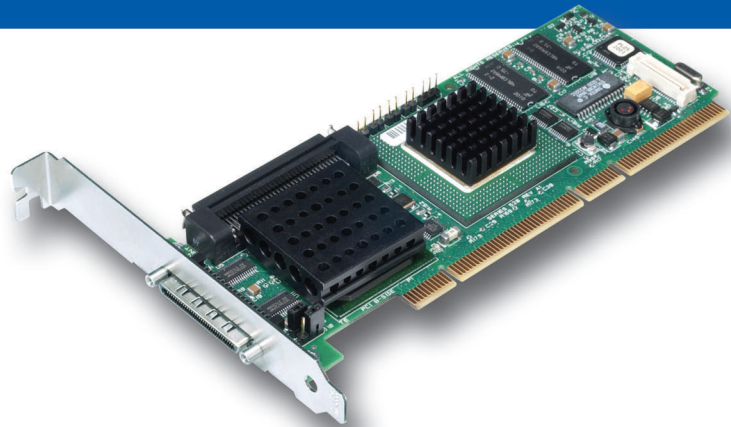
Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)

# 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.



# 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.lsillogic.com>

## LSI Logic Corporation

RAID Storage Adapter Division  
Norcross, GA  
Tel: 866 828 9574

## LSI Logic Europe Ltd.

European Headquarters  
United Kingdom  
Tel: 44 1344 426544

## LSI Logic KK Headquarters

Tokyo, Japan  
Tel: 81 3 5463 7165

## LSI Logic Hong Kong Ltd.

Kowloon Tong, Hong Kong  
Tel: 852 21952 1789

## LSI Logic Asia, Taiwan Branch

Taipei, Taiwan  
Tel: 866 2 2718 7828

ISO 9001 Certified

LSI Logic, the LSI Logic logo design, MegaRAID, and Fusion-MPT are trademarks or registered trademarks of LSI Logic Corporation. All other brand and product names may be trademarks of their respective companies.

LSI Logic Corporation reserves the right to make changes to any products and services herein at any time without notice. LSI Logic does not assume any responsibility or liability arising out of the application or use of any product or service described herein, except as expressly agreed to in writing by LSI Logic; nor does the purchase, lease, or use of a product or service from LSI Logic convey a license under any patent rights, copyrights, trademark rights, or any other of the intellectual property rights of LSI Logic or of third parties.

Copyright ©2003 by LSI Logic Corporation.  
All rights reserved.

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





## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)