FOUR-PORT SERIAL ATA RAID STORAGE ADAPTER

C LSI LOGIC LSI

ENVIRONMENTS

Workstations and entry to mid-level servers requiring a cost effective, scalable SATA RAID solution.

TYPICAL USES

Database, file, web and email servers; multimedia and video servers.

FEATURES

- Designed as a "ready-to-go" solution
- Four 1-meter SATA cables included
- Half-size PCI form factor
- Intel GC80302 integrated I/O processor
- RAID array availability in minutes instead of hours
- Serial ATA/150 drive mode support
- Supports up to 4 SATA drives
- Re-flashable BIOS
- FlexRAID™
- Online capacity expansion
- Online RAID level migration

Ideal for Cost-Sensitive Environments Where Reliability and Performance Are Critical

Key Advantages

- Intelligent IOP-based SATA RAID
- OEM-Proven MegaRAID Technology
- Online and Remote Management Features
- Fast and Easy RAID Array Setup

Benefit with MegaRAID® Serial ATA

Designed for world leading OEMs, the MegaRAID SATA 150-4 Serial ATA solution offers data protection and improved system performance for cost-sensitive RAID environments where reliability and performance are crucial. The intelligent four-port MegaRAID SATA 150-4 provides a scalable SATA RAID solution for performance workstations and entry-level servers.

Serial ATA: A Robust RAID Solution

Serial ATA (SATA) is a point-to-point scalable interface solution that will, in time, completely replace Parallel ATA (PATA). SATA provides systems that are easier to design, with smaller cables that are simple to route. The MegaRAID SATA 150-4 adapter implements these and other Serial ATA features, such as hot pluggable drive support, lower power requirements, improved airflow for lower operating temperatures, and complete software compatibility.

Building SATA Solutions with FlexRAID™

As data capacity needs grow larger, the ability to expand logical drives per array and adapter is essential. With FlexRAID, using Online Capacity Expansion and Online RAID Level Migration, you can expand the capacity of an array without shutting down the server operating system or disturbing the existing data. FlexRAID also allows you to easily reconfigure a logical drive to a new RAID level without disrupting the system or causing data loss.

Wide Range of OS Support

The MegaRAID SATA 150-4 supports all major versions of Microsoft Windows, Linux, SCO Openserver, SCO UNIX, and Novell Netware.

Dynamic RAID Management Utilities

The MegaRAID SATA 150-4 management software suite consists of a complete set of tools including BIOS-embedded CTRL-M, character-based MegaManager, and the graphically powered Power Console Plus (PCP). These software utilities provide the capability to configure, manage, and monitor MegaRAID SATA 150-4 adapters, physical drives, and logical drives.

Immediate Array Availability

Initialize your RAID array in minutes instead of hours. MegaRAID technology enables you to quickly configure systems and prepare them for even the most intensive storage demands.

More than Just Superior Products

Using only the highest quality components, LSI Logic MegaRAID Serial ATA adapters are assembled in world-class facilities to ensure superior product reliability and performance. Because of stringent quality control processes, our RAID storage adapters carry a 3-year limited warranty.

All MegaRAID Serial ATA products have been OEM tested and proven, delivering unsurpassed performance, reliability and availability. LSI Logic offers domestic and international advanced technical support to provide timely answers to your critical questions.

Visit: http://lsilogic.com/reseller for partner program details





MegaRAID® SATA 150-4 KIT

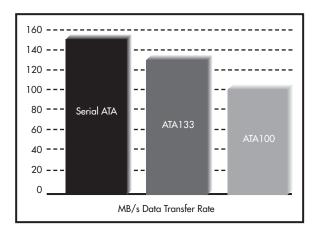
FOUR-PORT SERIAL ATA RAID STORAGE ADAPTER

	LSI Logic MegaRAID SATA 150-4 KIT	
Kit Contents	Four 1-meter SATA cables, driver CD, installation guide. (Order number 1504064)	
Solution Provided	Four-port SATA RAID adapter providing high-speed performance in midrange RAID applications	
Environment	Workstations and entry to mid-level servers requiring a cost-effective scalable SATA RAID solution	

Internal Connectors	Four 7-pin Serial ATA		
Processor	Intel GC80302		
Device Support	Up to 4 devices		
Data Transfer Rates	Up to 150MB/sec per drive		
Cache Memory	64MB integrated ECC SDRAM		
Bus Type	64-bit/66MHz PCI		
Physical Dimensions	6.875" x 4.2" (174.63 x 106.68mm)		
Operating Temperature	0°C to 45°C		
Operating Voltage	5.00 V ± 0.25 V		
Warranty	3 years, free advanced technical support, advanced replacement option		
Regulatory Certification	CE, FCC, C-tick, ETL, VCCI, BSMI, and RRL		
RAID Features	• RAID levels 0, 1, 5, and 10	Online RAID level migration	
	 Online capacity expansion 	Variable Stripe Size	
	• Fast initialization for quick array setup	Auto resume on array reconstruction	
	 40 logical drive support 	Background initialization for array consistency check	
Fault Tolerance Features	 Configuration On Disk (COD) / NVRAM 	Online RAID level migration	
	 Online capacity expansion 	 Automatic rebuild of hot spare drives 	
	 Auto detection of failed drives 	Hot swap of new drives	
	S.M.A.R.T. support	Backplane support	
	 SAF-TE enclosure management 		
	Online Utilities:	 Pre-Boot BIOS Utilities: 	
RAID Management	- Power Console Plus (GUI-based)	- Ctrl. M (command line)	
	- MegaManager (character-based)	- Ctrl. H (browser-based)	
OS Support	Windows XP/2000/Server 2003	Novell Netware	
	 SUSE Linux Enterprise Server (SLES) 	• RedHat Linux	
	• SCO UnixWare	• SCO OpenServer	
	SUSE Linux		

THE PERFORMANCE ADVANTAGE

The MegaRAID SATA 150-4 is positioned to be the industry's premier high performance, low-cost Serial ATA RAID solution; choose LSI Logic.



Visit the LSI Logic web site at: http://lsilogic.com/storage

LSI Logic NA Headquarters
+1 866-574-5741
http://lsilogic.com
U.S. Western Region
+1 818-889-6341
U.S. Central Region and Canada
+1 952-921-8363
U.S. Eastern Region
+1 781-290-0244
Advanced Technical Support
North / South America
+1 800-633-4545

+1 678-728-1250 http://lsilogic.com/support support@lsil.com

LSI Logic European Headquarters +44 1344-413200 UK / Ireland / South Africa +44 1344-413117 France / Spain / Portugal +33 14601-1340 Belgium/Netherlands/Luxemburg +31 402-96-2111 Italy +39 039-687-3705 Central / Eastern Europe +49 89-45833-312 Israel +49 89-458-33-342 **Nordic Region** +46 8-4441-503 **Europe Advanced Technical Support** English +44 1344-413-441 Deutsch +49 89-45833-338 http://lsilogic.com/support

LSI Logic
Pacific Asia Headquarters
Taiwan +866 2-2718-7828
Tokyo +81 3-5463-7821
Korea +82 2528-3400
Hong Kong +852 2192-1789
Singapore / South Pacific
+65 6334-9080

eurosupport@lsil.com All Other EMEA +49 89-45833-156

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