

LSI LOGIC®

The Only Serial ATA RAID Adapter with Battery Backup Support

Key Advantages

- High-Performance, Low-Cost Solution
- Optional Battery Backup Support
- Exceptional Management Utilities
- Windows, Linux, UNIX, Novell



Enterprise Class Serial ATA RAID

LSI Logic offers the MegaRAID SATA 150-6 with a proven RAID algorithm developed for the MegaRAID SCSI products. The intelligent six-port MegaRAID SATA 150-6 offers powerful RAID functionality for servers, workstations and network storage environments. Only the MegaRAID SATA 150-6 provides performance and features comparable to SCSI RAID, such as battery backup support at a fraction of the price.

Maximizing Serial ATA Potential

The MegaRAID SATA 150-6 offers powerful performance up to 150MB/sec per channel and total throughput up to 528MB/sec. Only LSI Logic provides an enterprise-level "building block" SATA RAID solution that allows six or more drives under a combined operating system drive – giving exceptional data transfer speed and data storage capacity.

Intelligent MegaRAID Serial ATA

As the industry's premier high-performance, low-cost RAID solution, the MegaRAID SATA 150-6 offers an integrated I/O processor with a built-in hardware XOR engine for RAID parity. In addition to enhancing performance, the intelligent MegaRAID SATA 150-6 also provides many fault tolerance features including S.M.A.R.T support, drive hot swapping, and automatic hot sparing and drive reconstruction. With this powerful set of features, the MegaRAID SATA 150-6 protects your system against downtime and data loss while maximizing performance.

Battery Backup of Crucial Data

Support for an optional Battery Backup Unit (sold separately) provides extra data security in the event of a complete AC power failure or short power outage. The MegaRAID SATA 150-6 Battery Backup Unit (LSIBBU01) ensures that the MegaRAID controller will save all the data present at the time of failure and that power-on recovery times are expedited after the event.

Dynamic Management Utilities

The MegaRAID SATA 150-6 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 150-6 adapters, physical drives, and logical drives.

Extensive Operating System Support

The MegaRAID SATA 150-6 supports all major versions of Microsoft Windows, Linux, SCO Openserver, SCO UNIX and Novell Netware.

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

ENVIRONMENTS

High-performance, midrange and entry-level servers, workstations and enterprise network storage environments.

TYPICAL USES

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

FEATURES

- Designed as a "ready-to-go" solution
- Six 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 6 SATA drives
- Re-flashable BIOS
- FlexRAID
 - Online capacity expansion
 - Online RAID level migration



MegaRAID® SATA 150-6 KIT

SIX-PORT SERIAL ATA RAID STORAGE ADAPTER

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

MegaRAID SATA 150-6 KIT	
Kit Contents	Six 1-meter SATA cables, driver CD, installation guide. (Order number 1506064)
Solution Provided	Six-port SATA RAID adapter providing high-speed performance in midrange RAID applications
Environment	Workstations, midrange servers, and enterprise-level servers requiring a cost-effective scalable SATA RAID solution

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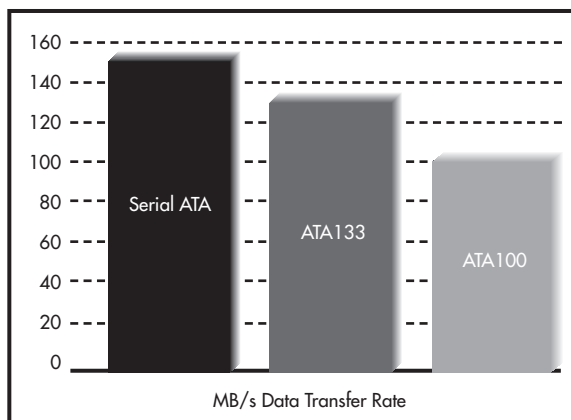
Internal Connectors	Six 7-pin Serial ATA
Optional Battery Backup Unit	Order number LSIBBU01 (1-year warranty)
Processor	Intel GC80302
Device Support	Up to 6 devices
Data Transfer Rates	Up to 150MB/sec per drive
Cache Memory	64MB ECC SDRAM
Bus Type	64-bit/66MHz PCI
Physical Dimensions	6.875" x 4.2" (174.63 x 106.68mm)
Operating Temperature	0°C to 45°C (w/o BBU), 0°C to 40°C (w/ BBU)
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	<ul style="list-style-type: none"> • RAID levels 0, 1, 5, 10, and 50 • Online capacity expansion • Fast initialization for quick array setup • 40 logical drive support
Fault Tolerance Features	<ul style="list-style-type: none"> • Configuration On Disk (COD) / NVRAM • Online capacity expansion • Auto detection of failed drives • S.M.A.R.T. support • SAF-TE enclosure management
RAID Management	<ul style="list-style-type: none"> • Online Utilities: <ul style="list-style-type: none"> - Power Console Plus (GUI-based) - MegaManager (character-based)
OS Support	<ul style="list-style-type: none"> • Windows XP/2000/Server 2003 • SUSE Linux Enterprise Server (SLES) • SCO OpenServer • SUSE Linux

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THE PERFORMANCE ADVANTAGE

The MegaRAID SATA 150-6 is positioned to be the industry's premier high-performance, enterprise-level Serial ATA RAID solution; choose LSI Logic.



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