

## A detailed view of a green PCI Express graphics card. It features a large silver heat sink with a black fan on the right side. The card has a gold-plated PCI Express connector at the bottom. Various components like capacitors and smaller chips are visible on the green PCB. A metal mounting bracket is attached to the left side.

The MegaRAID SATA 300-8ELP supports all key versions of Microsoft and Linux. All OS drivers are backed by extensive testing and validation to ensure optimum system performance. For a list of the most current supported drivers, visit [www.lsi.com/support](http://www.lsi.com/support).

- Eight internal SATA ports
  - Two x4 SFF 8087 connectors
- 3Gb/s throughput per port
- RAID Levels 0, 1, 5, 10, and 50
- RAID 6 and 60 ready
- Greater than 2TB array support
- Intel® IOP333 I/O Processor
- PCI Express 1.1 compliant
  - 2.5Gb/s per lane
  - x4 lane width
- 128MB DDR 333MHz SDRAM on board
- Remote intelligent BBU (LSiBBU01) option
- Advanced data integrity and recovery
- Enhanced error handling and reporting
- FlexRAID®:
  - Online Capacity Expansion (OCE)
  - Online RAID Level Migration (RLM)
- Comprehensive management and configuration utilities
- SAS expander support
  - (16 disk support)

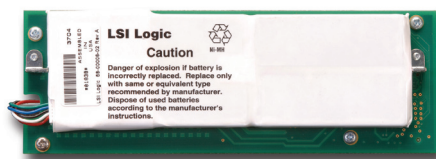


## Remote Intelligent Battery Backup (iBBU) Support

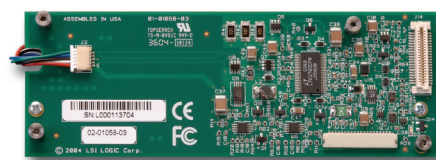
The MegaRAID LSiBBU01 is a battery-backup module that protects the integrity of the cached data on a MegaRAID controller by providing backup power if there is a complete AC power failure or a brief power outage.

The LSiBBU01 does not connect directly to the MegaRAID SATA 300-8ELP adapter, but instead uses a supplied 20-pin, 10-inch cable to connect to it. Since server and workstation chassis vary from vendor to vendor, there is no standard mounting option that addresses all the desired applications. Therefore, the LSiBBU01 battery kit contains only the battery

and the cable, allowing VARs and chassis manufacturers to customize the location of the remote battery to provide the most flexibility within various environments.



Front View



Rear View

LSI Logic MegaRAID SATA 300-8ELP	
<b>Solution Provided</b>	Low profile eight-port internal SATA for high-density or rackmount storage
<b>Environment</b>	Internal sub-systems with up to 16 SATA II drives

<b>Internal Connectors</b>	2 SAS SFF8087 x4
<b>Device Support</b>	Up to 8 direct connect; up to 16 using expander
<b>Data Transfer Rates</b>	Up to 3Gb/s per port
<b>Processor</b>	Intel® IOP333 I/O processor
<b>Cache Memory</b>	128MB DDR SDRAM embedded
<b>Physical Dimensions</b>	Extended length low profile (7.71" X 2.536")
<b>Host Bus Type</b>	PCI Express 1.1, 1.25GHz, x4 Link for 1GB/s peak simplified or 2GB/s peak duplex
<b>Battery Backup Unit</b>	Optional Remote Intelligent Battery Backup Unit (LSiBBU01)
<b>RAID and Fault Tolerant Features</b>	<ul style="list-style-type: none"> <li>RAID Levels 0, 1, 5, 10, and 50</li> <li>RAID Level Migration (RLM)</li> <li>Fast initialization for quick array setup</li> <li>Automatic rebuild of hot spare drives</li> <li>64 logical drive support</li> <li>Configuration on Disk (COD)</li> <li>Online Capacity Expansion (OCE)</li> <li>Variable stripe size support</li> <li>Patrol read</li> <li>Enclosure management (SES and SGPIO)</li> <li>Auto resume on array reconstruction</li> <li>S.M.A.R.T. support</li> </ul>
<b>Operating Temperature</b>	50°C (40°C w/iBBU)
<b>Operating Voltage</b>	+3.3V
<b>Warranty</b>	3 Years, free advanced technical support, advanced replacement option
<b>Regulatory Certification</b>	CE, FCC, C-tic, UL, VCCI, BSMI and RRL
<b>RAID Management</b>	MegaRAID Management Suite <ul style="list-style-type: none"> <li>MegaRAID Storage Manager</li> <li>MegaCLI (Command-Line Utility)</li> <li>WebBIOS</li> <li>SNMP support</li> </ul>
<b>OS Support</b>	<ul style="list-style-type: none"> <li>Microsoft® Windows® Server 2003/2000/XP</li> <li>Red Hat® AS Linux®</li> <li>SUSE® Linux®/SLES</li> </ul>

Visit the LSI Logic web site at:  
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