

RELEASE	FEATURES AND USABILITY	DATA PROTECTION AND AVAILABILITY	PERFORMANCE	GREEN
3.1	<ul style="list-style-type: none"> <li>240 Physical Device Support</li> </ul>	<ul style="list-style-type: none"> <li>RAID 6</li> </ul>		<ul style="list-style-type: none"> <li>RoHS 6</li> </ul>
3.2	<ul style="list-style-type: none"> <li>OS Enhancements: SLES 10</li> <li>Extend maximum chained enclosures to 16</li> <li>Support 3 Drive R6 In management utilities</li> <li>Email event notification</li> </ul>	<ul style="list-style-type: none"> <li>RAID 6 support for 84016E</li> </ul>	<ul style="list-style-type: none"> <li>NCQ Support</li> <li>Increase maximum stripe size to 256K</li> </ul>	
3.3	<ul style="list-style-type: none"> <li>Dynamic enclosure Import</li> <li>SCSI Enclosure Services (SES) over I2C physical Interface</li> <li>OS Enhancements: MS Vista, Solaris x86, Redhat 5.0, VMWare 3.01, Sco UnixWare, SCO Open Server 6.0, XEN support for SLES 10</li> <li>Extensible Firmware Interface (EFI) support</li> <li>Support up to 16 MegaRAID adapters per system</li> <li>Patrol Read Throttle</li> <li>Enclosure affinity for hot spare</li> <li>Integrated RAID support in MSM</li> <li>Label a spanned RAID 0 logical drive 'RAID 00'</li> </ul>	<ul style="list-style-type: none"> <li>ITBBU2, miniDimm support</li> </ul>	<ul style="list-style-type: none"> <li>Increase maximum stripe size to 512k and 1MB</li> </ul>	
3.4	<ul style="list-style-type: none"> <li>Enhanced Foreign Configuration Import</li> <li>Schedulable Check Consistency</li> <li>OS Enhancements: XEN support for RHEL 5</li> <li>Dual Boot Support In MegaCLI</li> <li>WebBIOS option to enable/disable disk drive failure history</li> <li>MegaCLI support for EM64T environments</li> </ul>	<ul style="list-style-type: none"> <li>Enhanced Bad Block Management</li> <li>New IBBU support</li> </ul>		
3.5	<ul style="list-style-type: none"> <li>Extensions to RAID 1</li> <li>Revertible Hot Spare</li> <li>Console Redirect</li> <li>Microsoft VDS Provider Support</li> </ul>	<ul style="list-style-type: none"> <li>Single Controller Multi-pathing</li> </ul>	<ul style="list-style-type: none"> <li>Load Balancing</li> </ul>	<ul style="list-style-type: none"> <li>LSISAS 1078 low power ROC</li> </ul>
3.6	<ul style="list-style-type: none"> <li>VMware ESXi Virtualization Support</li> <li>UEFI 2.0 support for new Intel Platforms</li> <li>OS Enhancements: Solaris X86, FreeBSD support</li> <li>SAS Tape drive support</li> </ul>	<ul style="list-style-type: none"> <li>SSD Guard™</li> </ul>	<ul style="list-style-type: none"> <li>SSD Support</li> </ul>	<ul style="list-style-type: none"> <li>Dimmer Switch™</li> </ul>

## MegaRAID® Release 4.1

### Features and Benefits

MegaRAID Release 4.1 marks the initial launch of a new family of 6Gb/s SAS RAID controllers from LSI Corporation. This release program bundles elements across four key cornerstones of leadership, including: Features and Usability, Data Protection and Availability, Performance, and Green. Focusing on the latest technology trends and customer requirements, these four cornerstones reaffirm the LSI commitment to customer success and market leadership.

The new features and functions specifically related to MegaRAID Release 4.1 include:

- 6Gb/s SAS support
- Improved performance for existing 3Gb/s SAS and SATA infrastructure
- Improved sequential write performance
- Improved IOPs performance
- SafeStore™ Encryption Services for SED/FDE capable drives
  - Instant Secure Erase
  - Local Key Management
- Improved power profiles
- Improved Usability in MegaRAID Storage Manager™ (MSM)

## MegaRAID® Release 4.2

### Features and Benefits

MegaRAID Release 4.2 launches the new 6Gb/s SATA+SAS MegaRAID Entry product line from LSI Corporation that delivers enterprise-class RAID 0, 1, 10, 5 and 50 at a reduced price point. This release targets entry-level RAID applications such as Web Hosting, Cloud Computing, Digital Content Archive, File and Web Server, OLTP and Workstations with a small set of internal drives, 16 Hard Disk Drives (HDDs) or less. The MegaRAID release program bundles elements across four key cornerstones of leadership, including: Features and Usability, Data Protection and Availability, Performance, and Green. Focusing on the latest technology trends and customer requirements, these four cornerstones reaffirm the LSI Commitment to customer success and industry leadership.

The new features and functions specifically related to MegaRAID Release 4.2 include:

- Low-power 6Gb/s SAS RAID controller card
- More environmentally-friendly packaging
- Entry-level 6Gb/s SAS support
- Easy migration to MegaRAID Value and Feature lines
- Low-cost Hardware RAID 5 solution – RAID 0, 1, 10, 5, 50 and JBOD mode
- Support for Solid State Drives (SSD) Plus SSD Guard™

*The MegaRAID SAS 9240-xx series controllers are supported under Release 4.2. To download the latest MegaRAID Release, visit [lsi.com/support](http://lsi.com/support)*

## MegaRAID® Release 4.3

MegaRAID Release 4.3 bundles elements across four key cornerstones of leadership, including: Features and Usability, Performance, Green, and Data Protection and Availability. Focusing on the latest technology trends and customer requirements, these four cornerstones reaffirm LSI's commitment to customer success and industry leadership.

The new features and functions specifically related to MegaRAID Release 4.3 include:

- Advanced Services key support
- Greater than 2TB physical disk support
- Improvements to MegaRAID Storage Manager™ usability and configurability
- Enhancements to virtual disk drive resizing capabilities
- Significant improvements to IOPs performance
- Hot spare disk drive power management
- Persistent hot spare location support

*The MegaRAID SAS 9260-xx and 9280-xx series controllers are supported under Release 4.3. To download the latest MegaRAID Release, visit [lsi.com/support](http://lsi.com/support)*

## MegaRAID® Release 4.4

MegaRAID Release 4.4 bundles elements across four key cornerstones of leadership, including: Features and Usability, Performance, Green, and Data Protection and Availability. Focusing on the latest technology trends and customer requirements, these four cornerstones reaffirm LSI's commitment to customer success and industry leadership.

The new features and functions specifically related to MegaRAID Release 4.4 include:

- Advanced software: MegaRAID CacheCade™ software support
- LSI 620J / 630J JBOD support
- New OS support: FreeBSD, VMware ESXi and Solaris10 for SPARC
- MegaRAID Storage Manager (MSM) usability improvements

*The MegaRAID SAS 9260-xx and 9280-xx series controllers are supported under Release 4.4. To download the latest MegaRAID Release, visit [lsi.com/support](http://lsi.com/support)*

### Note:

1. LSISAS1078 RoC => MegaRAID, v3.6
2. LSISAS2108 RoC => MegaRAID, v4.6
3. LSISAS2208 RoC => MegaRAID, v5.0