



RocketRAID 600L Series

4-Channel SATA 6Gb/s, PCI-Express 2.0 x4, RAID HBA

Best Cost/Performance SATA 6Gb/s RAID 0, 1 & 5 Solutions

Introducing the RocketRAID 600L Series: HighPoint's Second Generation 6Gb/s RAID HBA's

HighPoint's RocketRAID 600L Series HBA's are the Industry's most affordable, high-performance, SATA 6Gb/s RAID HBA's, and are ideal for desktop PC's and workstations.

These Second Generation SATA 6Gb/s host controllers utilize a PCI-Express 2.0 host bus interface, HighPoint's Industry-proven Hardware-Assisted RAID engine, and support a wide-range of SATA storage configurations.

PCI-Express 2.0 Host Interface

RocketRAID 600L HBA's utilize a PCI-Express 2.0 host interface, and deliver a transfer bandwidth of 1000MB/s.

RocketRAID 600L series HBA's are fully backwards compatible with PCI-Express 1.0 motherboards.

Comprehensive Management Interface

The universal RocketRAID WebGUI interface provides a wide range of preemptive monitoring and maintenance features that enable administrators to easily schedule verification sessions to ensure the health of each RAID storage configuration.

HighPoint Hardware Assisted RAID Solutions

For over 2 decades, HighPoint's Hardware-Assisted RAID technology has powered robust, high-performance storage solutions world-wide. RocketRAID 600L HBA's support a variety of single disk and RAID configurations including RAID 0, 1, 5, 1/0 and JBOD.

HighPoint's comprehensive RAID Storage Management suites are available for all major operating systems.

Feature Highlights

- PCI-Express 2.0 Host Interface
- Up to 4 SATA or eSATA Ports
- HighPoint Hardware Assisted RAID (0, 1, 5, 1/0 & JBOD)
- Supports Windows, Linux & Mac platforms

Supports SATA Hard Drives and SSD's

RocketRAID 600L HBA's support the industry's latest 6Gb/s hard drives and SSD's. RocketRAID 600L series HBA's utilize industry standard cables and connectors to simplify hardware installation and storage upgrade projects.

| RocketRAID 600L Series Technical Specifications | |
|---|---|
| Chipset | Marvell 88SE9235 |
| Data Transfer Rate | Up to 6Gb/s per port |
| Number of Device Ports | 4 6Gb/s SATA ports (RocketRAID 640L) / 4 6Gb/s eSATA ports (RocketRAID 644L) / 1 mini-SAS port (RocketRAID 644LS) / 2 6Gb/s SATA/eSATA ports (RocketRAID 642L) |
| Host Bus Interface | PCI-Express 2.0 x4 (electrical x2) |
| Device Connector Type | Industry standard SATA/eSATA/mini-SAS |
| Onboard indicators/Monitor | Alarm Buzzer, Active/Fail LED (RocketRAID 640L only) |
| Devices Supported | Directly supports 4 SATA devices |
| Backwards Compatibility | Backwards compatible with HighPoint 3Gb/s SATA RAID HBA |
| Physical Form Factor | Low Profile (RocketRAID 640L/644LS/642L) / Full Height (RocketRAID 644L) |
| RAID Features Suite | RAID 0, 1, 5, 1/0, JBOD Redundant RAID Configuration for Array availability RAID Initialization Types - Background, Foreground and Quick Online Capacity Expansion (OCE) Online RAID Level Migration (ORLM) Native Command Queuing (NCQ) Staggered Drive Spin Up Spin Down Idle Disk S.M.A.R.T Support Auto Rebuild on spare drive HotPlug and HotSwap support Larger than 2TB drive support Bootable RAID Array support Write Back or Write Through Cache support |
| Configuration Management Suites | BIOS configuration tool, Browser-based Management Interface, Command Line Interface (CLI) for Linux |
| Monitoring and Management Support | SMTP, Event Log |
| Operating System Support | Windows 7 and later, Windows Server 2008 and later, Linux Distributions, macOS 10.6 and later |
| Operating Temperature | Work Temp: +5°C ~+ 55°C Storage Temp: -20°C ~ +80°C |
| Operating Voltage | PCI-e 12V: 2.5W; 3.3V: 0.7W |
| Mean Time Before Failure (MTBF) | 920,585 Hours |
| Certification Approval | FCC, CE, RoHS, REACH, WEEE |

| HBA Model | RocketRAID 640L | RocketRAID 644L | RocketRAID 644LS | RocketRAID 642L |
|--------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------|
| Product Image | | | | |
| Host Bus Interface | PCI-Express 2.0 x4 | PCI-Express 2.0 x4 | PCI-Express 2.0 x4 | PCI-Express 2.0 x4 |
| Number of Ports | 4 6Gb/s SATA Ports | 4 6Gb/s eSATA Ports | 1 mini-SAS Port (4 6Gb/s SATA) | 2 6Gb/s SATA/eSATA Ports |
| Form factor | Low Profile | Full Height | Low Profile | Low Profile |
| Dimensions | 2.56" L x 3.12" W x 0.06" H | 3.12" L x 4.17" W x 0.06" H | 2.68" L x 3.12" W x 0.06" H | 2.64" L x 3.12" W x 0.06" H |
| UPC Code | 643653640034 | 643653644049 | 643653644056 | 643653642014 |

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OEM/ODM Service available for RocketRAID 600L Series