



RocketRAID 600 Series

2 & 4 Channel SATA 6Gb/s, PCI-Express 2.0 RAID HBA

HighPoint 6Gb/s SATA Host RAID HBA's

HighPoint RocketRAID 600 Series: 6Gb/s SATA Host RAID

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

These industry leading SATA 6Gb/s host RAID 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 600 series HBA's utilize a PCI-Express 2.0 host interface, and deliver a transfer bandwidth of 1000MB/s.

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

HighPoint Hardware Assisted RAID Solutions

For over 10 Years HighPoint's Hardware-Assisted RAID technology has powered robust, high-performance storage solutions world-wide.

RocketRAID 600 HBA's support a variety of single disk and RAID configurations including RAID 0, 1, 5, 10, 50 and JBOD.

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

Compatible with Port Multiplier Storage Enclosures

Each RocketRAID 600 Series HBA's directly supports up to 4 SATA devices, and up to 20 when used in conjunction with port multiplier storage devices.

For maximum performance, attach SATA hard drives and SSD's directly to the RocketRAID 600's SATA and eSATA ports. To maximize storage capacity, use the RocketRAID 600 with port multiplier storage chassis and external disk enclosures.

Feature Highlights

- **PCI-Express 2.0 Host Interface**
- **Up to 4 SATA/eSATA/Mini-SAS Ports**
- **HighPoint Hardware Assisted RAID (0, 1, 5, 10 & JBOD)**
- **Port Multiplier Compatible: supports up to 20 HDD/SSD with port-multiplier capable enclosures.**

Supports all Generations of SATA Hard Drives and SSD's

RocketRAID 600 HBA's support the industry's latest 6Gb/s hard drives and SSD's, while providing full backwards-compatibility with legacy SATA 1.5Gb/s or 3Gb/s devices.

RocketRAID 600 series HBA's utilize industry standard cables and connectors to simplify hardware installation and storage upgrade projects.

RocketRAID 600 Series Technical Specifications	
Chipset	Marvell 88SE923x (RocketRAID 600L/600LS) / Marvell 88SE912x (RocketRAID 600)
Data Transfer Rate	Up to 6Gb/s per port
Number of Device Ports	Up to 4 6Gb/s SATA ports
Host Bus Interface	PCI-Express 2.0 x4
Device Connector Type	Industry standard SATA/ eSATA / Mini-SAS (SFF-8088)
Onboard indicators/Monitor	Alarm Buzzer, Active/Fail LED (RocketRAID 640L only)
Devices Supported	Directly supports 4 SATA devices / Up to 20 with port multiplier capable enclosure
Backwards Compatibility	Backwards compatible with HighPoint 3Gb/s SATA RAID HBA
Physical Form Factor	Low Profile / Full Height (RocketRAID 644L, RocketRAID 644)
RAID Features Suite	RAID 0, 1, 5, 10, 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
	Hot-Plug and Hot-Swap 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 8, 7, 2008, Vista, Linux Distributions
Operating Temperature	Work Temp: +5°C ~+ 55°C Storage Temp: -20°C ~ +80°C Relative Humidity: 5% ~ 60% non condensing
Operating Voltage	PCI-e 12V: 2.5W; 3.3V: 0.7W
Mean Time Before Failure (MTBF)	920,585 Hours
Certification Approval	FCC, CE

2 nd Gen 4-Port HBA Models	RocketRAID 644LS	RocketRAID 640L	RocketRAID 644L
Product Image			
Host Bus Interface	PCI-Express 2.0 x4	PCI-Express 2.0 x4	PCI-Express 2.0 x4
Number of Device Ports	1 External Mini-SAS Port (SFF-8088)	4 SATA Ports	4 eSATA Ports
Form factor	Low Profile	Low Profile	Full Height
Retail Box Dimensions	7.76" L x 6.81" W x 1.18" H	7.76" L x 6.81" W x 1.18" H	7.76" L x 6.81" W x 1.18" H
Retail Box Weight	0.48 lbs.	0.50 lbs.	0.50 lbs.
UPC Code	643653644056	643653640034	643653644049

4-Port HBA Models	RocketRAID 642L	RocketRAID 640	RocketRAID 644
Product Image			
Host Bus Interface	PCI-Express 2.0 x4	PCI-Express 2.0 x4	PCI-Express 2.0 x4
Number of Device Ports	2 SATA Ports / 2 eSATA Ports	4 SATA Ports	4 eSATA Ports
Form factor	Low Profile	Low Profile	Full Height
Retail Box Dimensions	7.76" L x 6.81" W x 1.18" H	7.75" L x 6.81" W x 2.75" H	7.75" L x 6.81" W x 1.18" H
Retail Box Weight	0.56 lbs.	0.42 lbs.	0.42 lbs.
UPC Code	643653642014	643653640010	643653644018

2-Port HBA Models	RocketRAID 620	RocketRAID 622
Product Image		
Host Bus Interface	PCI-Express 2.0 x1	PCI-Express 2.0 x1
Number of Device Ports	2 SATA Ports	2 eSATA Ports
Form factor	Low Profile	Low Profile
Retail Box Dimensions	6.49" L x 6.49" W x 2.5" H	6.49" L x 6.49" W x 2.5" H
Retail Box Weight	0.49 lbs.	0.42 lbs.
UPC Code	643653620029	643653622023

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