



## RocketRAID Series For Mac Pro's 2 & 4 Channel SATA 6Gb/s, PCI-Express 2.0 HBA

### 6Gb/s SATA RAID & Connectivity HBA for Mac Pro Workstations

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

HighPoint's RocketRAID 600 Series HBA's are the Industry's most affordable, SATA 6Gb/s performance, host bus adapters. RocketRAID 600 series 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.

#### RocketRAID 600 Series: HighPoint Hardware Assisted RAID Solutions

For over 10 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 600 Series RAID HBA 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 HBA's SATA, eSATA and Mini-SAS ports. To maximize storage capacity, use the HBA with port multiplier storage chassis and external disk enclosures.

#### Supports all Generations of SATA Hard Drives and SSD's

HighPoint 600 series RAID 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.



#### Feature Highlights



- PCI-Express 2.0 Host Interface
- Up to 4 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



#### Designed for Mac Pro Platforms

RocketRAID 600 External-port HBA's are the ideal 6Gb/s SATA Host RAID storage solutions for Mac Pro workstations, and support Mac OS X 10.5 and later, including Mountain Lion 10.8x.

RocketRAID 600 Series Technical Specifications	
<b>Chipset</b>	Marvell 88SE923x (RocketRAID 600L/6000LS) / Marvell 88SE912x (RocketRAID 600, eSATA 6Gb/s for Mac series)
<b>Data Transfer Rate</b>	Up to 6Gb/s per port
<b>Number of Device Ports</b>	4 6Gb/s SATA ports
<b>Host Bus Interface</b>	PCI-Express 2.0 x4/x1
<b>Device Connector Type</b>	Industry standard SATA/eSATA /Mini-SAS (SFF-8088)
<b>Onboard indicators/Monitor</b>	Alarm Buzzer (RocketRAID models only)
<b>Devices Supported</b>	Directly supports 4 SATA devices / Up to 20 with port multiplier capable enclosure
<b>Backwards Compatibility</b>	Backwards compatible with HighPoint 3Gb/s SATA RAID HBA
<b>Physical Form Factor</b>	Low Profile (RocketRAID 644LS, RocketRAID 642L, Rocket Dual eSATA 6Gb/s for Mac / RocketRAID 622) / Full Height (RocketRAID 644L, RocketRAID Quad eSATA 6Gb/s for Mac)
<b>RAID Features Suite (RocketRAID models only)</b>	RAID 0, 1, 5, 10, JBOD (RocketRAID 644LS / 644L / 642L / RocketRAID Quad eSATA 6Gb/s for Mac) RAID 0, 1, JBOD (RocketRAID 622)
	Redundant RAID Configuration for Array availability
	RAID Initialization Types - Background, Foreground and Quick
	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
<b>Configuration Management Suites</b>	Browser-based Management Interface
<b>Monitoring and Management Support</b>	SMTP, Event Log
<b>Operating System Support</b>	Mac OS X 10.5 and newer
<b>Operating Temperature</b>	Work Temp: +5°C ~+ 55°C Storage Temp: -20°C ~ +80°C Relative Humidity: 5% ~ 60% non condensing
<b>Operating Voltage</b>	PCI-e 12V: 2.5W; 3.3V: 0.7W
<b>Mean Time Before Failure (MTBF)</b>	920,585 Hours
<b>Certification Approval</b>	FCC, CE

2 <sup>nd</sup> Gen 4-Port HBA Models	RocketRAID 644LS	RocketRAID 644
Product Image		
Host Bus Interface	PCI-Express 2.0 x4	PCI-Express 2.0 x4
Number of Device Ports	1 External Mini-SAS Port (SFF-8088)	4 eSATA Ports
Form factor	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
Retail Box Weight	0.48 lbs.	0.42 lbs.
UPC Code	643653644056	643653644049

eSATA 6Gb/s for Mac HBA Models	RocketRAID 642L	RocketRAID Quad eSATA 6Gb/s for Mac
Product Image		
Host Bus Interface	PCI-Express 2.0 x4	PCI-Express 2.0 x4
Number of Device Ports	2 SATA Ports / 2 eSATA Ports	4 eSATA Ports
Form factor	Low Profile	Full Height
Retail Box Dimensions	7.76" L x 6.81" W x 1.18" H	6.49" L x 6.49" W x 2.5" H
Retail Box Weight	0.56 lbs.	0.67 lbs.
UPC Code	643653642014	643653644025

eSATA 6Gb/s for Mac HBA Models	RocketRAID 622	Rocket Dual eSATA 6Gb/s for Mac
Product Image		
Host Bus Interface	PCI-Express 2.0 x1	PCI-Express 2.0 x1
Number of Device Ports	2 eSATA Ports	2 eSATA Ports
Form factor	Low Profile	Low Profile
Retail Box Dimensions	7.76" L x 6.81" W x 1.18" H	6.49" L x 6.49" W x 2.5" H
Retail Box Weight	0.42 lbs.	0.40 lbs.
UPC Code	643653622030	643653622030

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