



RocketRAID 362x Series

HighPoint 6Gb/s SATA Hardware RAID HBA Solutions for PC & Mac Platforms

SATA 6Gb/s Hardware RAID Solution

HighPoint 6Gb/s SATA Hardware RAID Solutions

HighPoint RocketRAID 362x 6Gb/s SATA RAID-on-Chip HBA's are the industry's most affordable, 6Gb/s SATA hardware RAID controllers.

The dedicated RAID-on-Chip processor and 512MB of DDR3 cache offload all RAID related processing from the host system, freeing up valuable resources and ensuring consistent data transfer. RocketRAID 362x HBA's are capable of delivering 3Gb/s of performance when hosting RAID 0 configurations of high-speed 6Gb/s SSD's.

Intuitive Management Suite

HighPoint delivers a comprehensive selection of Intuitive management interfaces for all computing platforms and operating system.

Web-based Management (WebGUI)

HighPoint's WebGUI is used to manage and maintain storage configurations hosted by RocketRAID 362x HBA's. It includes a full selection of monitoring features to keep tabs on the health of the controller, hosted arrays, individual drives, and enclosure environment. The WebGUI features a built-in Event Log with Email notification and maintenance scheduling. Remote Management allows administrators to monitor and restore configurations off-site.

CLI (command-line interfaces) packages are available for Linux and FreeBSD platforms, and include all of the functions and features of its Web-based counterpart.

BIOS-level Management

RocketRAID 362x HBA's include an integrated BIOS Management interface which allows users to configure arrays, set boot priority and check the status of any hosted SATA device.

SATA Expansion PM Solutions

RocketRAID 362x Series HBA's were designed to work in conjunction with HighPoint's revolutionary Rocket EJ340 SATA Expander Modules.

Rocket EJ340 Expander Modules quadruple the storage capability of each Mini-SAS port, and enable each RocketRAID 362x HBA to support up to 32 SATA hard drives in RAID and JBOD storage configurations.

Easily Integrated into PC & Mac Platforms

RocketRAID 362x series HBA's utilize industry standard Mini-SAS connectivity and low-profile form factors to simplify installation procedures. Device drivers and management suites are available for all major operating systems, including Windows Server 2012, 2008R2, Windows 8, 7 & Vista, Linux Distributions, FreeBSD and Mac OS X.

Full backwards compatibility with RocketRAID series HBA's simplifies storage upgrade projects; RAID and JBOD configurations can be moved directly to the RocketRAID 362x HBA – no need to reconfigure or start from scratch!

Feature Highlights

- 6Gb/s SATA RAID-On-Chip Processor & 512MB DDR3
- Intuitive Management Suite
- SATA Expansion PM Solution
- TerabyteGuard™

TerabyteGuard™

HighPoint's innovative data security suite secures storage investments against the threat of device failure with a complete selection of preventative hardware maintenance routines and features.

Integrated NVRAM with write journaling speeds recovery times by ensuring that all write transactions are logged by the HBA for retrieval in the event of a power outage or system failure. Pro-active Bad Sector Repair and Remapping protects arrays in the event of sector failure by reconstructing data from redundant copies stored on other hard disks.



HighPoint's innovative RAID Recovery tool protects storage configurations by securely storing multiple copies of RAID meta-data, and allows administrators to quickly restore a failed or disabled RAID array.

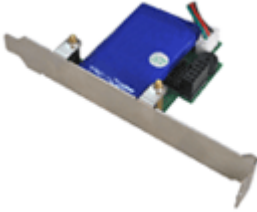

An optional battery backup unit, HPTBBU-05, improves recovery times and secures valuable data for up to 72 hours in the event of a power outage or non-storage related hardware failure.

RocketRAID 362x Technical Specifications	
I/O Processor (ROC)	Marvell 88RC9580 RAID-on-Chip Processor
Cache Memory	512MB DDR3 Cache memory with ECC protection
Battery Backup Unit	Optional Battery Backup Module (HPTBBU-05)
Data Transfer Rate	Up to 6Gb/s per port
Number Of Device Ports	8 6Gb/s SATA Ports
Host Bus Interface	PCI Express 2.0 x8
Device Connector Type	Dual Mini-SAS Connectors: SFF-8087 (RocketRAID 3620) / SFF-8088 (RocketRAID 3622)
Onboard Indicators /Monitor	Alarm Buzzer, LED indicators (RocketRAID 3620 only)
Device Supported	Directly supports up to 8 SATA devices
Backward Compatibility	Backward Compatible with HighPoint SATA RAID HBA
Physical Form Factor	Low Profile
Dimensions	6.57" L x 2.68" H x 0.06" W

RAID Features Suite	
RAID 0, 1, 5, 6, 10, 50, 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	
TerabyteGuard™	
S.M.A.R.T Support	
Auto Rebuild on spare drive	
Hot-Plug and Hot-Swap support	
Larger than 2 TB drive support	
Bootable RAID Array support	
Write Back or Write Through Cache support	

Configuration Management Suites:	User friendly Browser-based Management Interface
	Easy to use BIOS configuration Tool
	Linux Command Line Interface (CLI) - Scriptable configuration tool
Supported Storage Expansion Options:	HighPoint 6Gb/s SATA Expander Modules
Monitoring and Management Support:	SMTP, SGPIO, SES2, LED Status, Event Log
Operating System Support:	Windows Server 2012, 2008 / Window 8, 7, Vista. Major Linux Distributions (RHEL, CentOS, SLES, Fedora, Ubuntu and Linux Open Source Drivers), and FreeBSD
Operating Temperature:	0°C/50°C (use) / -20°C/70°C (store) or 32°F/122°F (use) / -4°F/158°F (store) Relative Humidity: 5% ~ 60% non condensing
Operating Voltage:	12V/3.3V , Power: 11W
MTBF (Mean Time Before Failure):	920,585 Hours
Certification Approval:	FCC, CE

SAS 6Gb/s Hardware RAID HBAs	RocketRAID 3620	RocketRAID 3622
Product Image		
Host Bus Interface	PCI-Express 2.0 x8	PCI-Express 2.0 x8
Number of Device Ports	8 Internal Ports	8 External Ports
Form Factor	Low Profile	Low Profile
Cable Included	Two mini-SAS cables: SFF-8087 to 4xSATA	n/a
Retail Box Dimensions	13.38" L x 7.68" H x 2.76" W	13.38" L x 7.68" H x 2.76" W
Retail Box Weight	0.94 lbs.	1.35 lbs.
UPC Code	643653362004	643653362202

Accessories	HPTBBU-05	Rocket EJ340
Product Image		
Description	HPTBBU-05 is a Battery Backup Unit designed for use with RocketRAID 362x Series HBA's. Battery Backup Units grant additional layers of data protection in the case of critical system faults and hardware failures.	Quadruples the storage capacity of each RocketRAID SFF-8088 Port! The Rocket EJ340 allows RocketRAID series 6Gb/s HBA's support up to 16 SATA hard drives from a single connector.
Features	<ul style="list-style-type: none"> Provides up to 72 hours of data protection Fully charges within 24 hours (from complete discharge to full capacity) 	<ul style="list-style-type: none"> Industry standard Centronics Form Factor Built-In Enclosure Management Features: fan control, temperature sensors, PSU voltage monitoring
Indicators	Low-charge warning indicator and audible alarm	LED indicators, audible alarm (overheating)

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