HighPoint Technologies, Inc.



RocketRAID 2700 Series

PCI-Express 2.0 x8/x16 6Gb/s SAS/SATA RAID HBA's

The Industry's Most Cost-Effective, Comprehensive Selection of SAS/SATA 6Gb/s RAID HBA's

HighPoint RocketRAID 2700 HBA's are the most diverse, versatile and cost-effective RAID HBA's available in today's marketplace. Powered by our industry-proven RAID technology, industry-standard Mini-SAS connectivity with support for up to 32 devices and PCI-Express 2.0 x8 and x16 bus speeds, RocketRAID 2700 HBA's can be easily integrated into a variety of hardware and software platforms, and are ideal for cost-effective, high-density SMB applications.

HighPoint Value RAID Technology

For over a decade, HighPoint has strived to take the cost and complexity out of RAID. HighPoint was the first to introduce affordable RAID 5 solutions to the storage marketplace, for both SMB and consumer applications. Our industry-proven Value-RAID technology keeps costs in check by fully utilizing available system resources in order to optimize data transfer and security, and supports a wide-range of storage configurations including RAID 0, 1, 5, 6, 10, 50 and JBOD.

Our Comprehensive RAID Storage Management suite is available for all major operating systems and includes BIOS-level management, an intuitive Web-based interface, and a selection of CLI packages available for Linux and FreeBSD platforms.

Wide Selection of RAID HBA Configurations

Powered by industry-standard Mini-SAS connectivity with support for up to 32 devices, and PCI-Express 2.0 x8 and x16 bus speeds, RocketRAID 2700 HBA's can be easily integrated into a variety of hardware and software platforms, and are ideal for cost-effective, high-density SMB applications.

Complete, Flexible Upgrade Paths

RocketRAID 2700 HBA's are fully backwards compatible with SAS/SATA 3Gb/s devices, PCI-Express 1.0 and 2.0 motherboards, and are compliant with all major operating systems including Windows, Linux, FreeBSD & Mac OS X. RAID arrays can be freely moved to any other RocketRAID 2700 HBA. Upgrading, scaling and expanding storage has never been easier.

HighPoint Storage Expansion Compatible

RocketRAID 2700 series HBA's with external port configurations are ideal for SMB storage applications that require a high degree of flexibility with a clear, concise upgrade path.

Feature Highlights

- HighPoint Value RAID Technology: RAID 0, 1, 5, 6, 10, 50 JBOD
- Wide Selection of HBA RAID Configurations
- Complete, Flexible Upgrade Paths
- HighPoint Storage Expansion Compatible

RocketRAID 2700 series HBA's were designed to work in conjunction with Rocket EJ Series JBOD Modules which double and quadruple the storage capacity of each external Mini-SAS connector.

Such combinations allow even 4-port RocketRAID 2700 HBA's, such as the RocketRAID 2711, to support up to 16 SATA HDDs or SSD's.

Technical Specifications	
Data Transfer Rate	Up to 6Gb/s per port
Number Of Device Ports	8 to 32 6Gb/s SAS & SATA ports
Host Bus Interface	PCI Express 2.0 x8/x16 speed
Device Connector Type	Mini-SAS connectors
Onboard Indicators /Monitor	Alarm Buzzer, Active/Fail LED (Internal-port models only)
Device Supported	Up to 128 SATA / SAS devices via SAS Expander (Note: Do not support 12Gb/s SAS drives)
Backward Compatibility	Backward Compatible with HighPoint RAID HBA
Physical Form Factor	Full Height / Low Profile
RAID Features Suite	RAID 0, 1, 5, 6 , 10, 50*, JBOD (Note: RR274x, 276x & 278x HBA's do not support RAID 6) **RAID 50 requires a minimum of 8 drives*
	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 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:	Rocket EJ SATA JBOD Module
Monitoring and Management Support	SMTP, SGPIO, SES2, LED Status, Event Log
Operating System Support	Windows Server 2012, 2008 / Window 8.1, 8, 7, Vista / Major Linux Distributions / FreeBSD / Mac OS X 10.5 and newer
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/3.3V Power: 11W
MTBF (Mean Time Before Failure)	920,585 Hours
Certification Approval	FCC, CE

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RR2700 PCIe x8 HBA's	RocketRAID 2720SGL	RocketRAID 2722	RocketRAID 2721
Product Image			
Host bus Interface	PCI-Express 2.0 x8	PCI-Express 2.0 x8	PCI-Express 2.0 x8
Number of Device Ports	8 Internal Ports	8 External Ports	4 Internal / 4 External Ports
Form Factor	Low Profile	Low Profile	Low Profile
Cable Included	n/a	n/a	One Mini-SAS Cable: SFF-8087 to SFF-8087
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 2.36" H
Retail Box Weight	0.41 lbs	0.49 lbs.	0.89 lbs.
UPC Code	643653272020	643653272211	643653272112

HBA Model	RocketRAID 2710	RocketRAID 2711
Product Image		
Host bus Interface	PCI-Express 2.0 x8	PCI-Express 2.0 x8
Number of Device Ports	4 Internal Ports	4 External Ports
Form Factor	Low Profile	Low Profile
Cable Included	One Mini-SAS Cable: SFF-8087 to SFF-8087	n/a
Retail Box Dimensions	7.76" L x 6.81" W x 2.36" H	7.76" L x 6.81" W x 1.18" H
Retail Box Weight	1.18 lbs.	0.48 lbs.
UPC Code	643653271016	643653271115

RR2700 PCIe x16 HBA's	RocketRAID 2740	RocketRAID 2744	RocketRAID 2760A
Product Image			
Host Bus Interface	PCI-Express 2.0 x16	PCI-Express 2.0 x16	PCI-Express 2.0 x16
Number of Device Ports	16 External Ports	16 External Ports	24 Internal Ports
Form Factor	Low Profile	Full Height	Full Height
Cable Included	n/a	n/a	n/a
Retail Box Dimensions	13.38"L x 7.67" W x 2.75" H	13.38"L x 7.67" W x 2.75" H	13.38"L x 7.67" W x 2.75" H
Retail Box Weight	1.20 lbs	1.22 lbs	1.43 lbs
UPC Code	643653274000	643653274413	643653276028

HBA Model	RocketRAID 2782
Product Image	
Host Bus Interface	PCI-Express 2.0 x16
Number of Device Ports	24 Internal / 8 External Ports
Form Factor	Full Height
Cable Included	n/a
Retail Box Dimensions	7.75"L x 6.81" W x 2.75" H
Retail Box Weight	1.48 lbs
UPC Code	643653278213

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