The World's Lowest Cost SAS 6Gb/s RAID Controller

Delivers **95%** Higher RAID 5 Performance than LSI MageRAID SAS Entry Level

RocketRAID 2710/272x Products Unbeatble Feature

HighPoint Technologies - the premier price-performance leader proudly announces the RocketRAID 2710/272x series as the industry's lowest cost, entry-level SAS 6Gb/s RAID 5 controller series, with undefeatable, class-leading RAID 5 performance.

The entry level series provides a robust RAID solution that will seamlessly enhance storage performance and increase storage reliability. Administrator's can configure SAS and SSD drives for performance application requirements, and SATA drives for low cost high capacity storage needs.

The turbo charged hardware XOR RAID engine, SAS 6Gb/s bus interface and PCI-Express Gen 2.0 x8 bus bandwidth deliver an evolution in real world, random performance applications with **95% higher performance** results than the LSI-9240 controller. Performance hungry applications such as gaming systems, high-definition video editing, production systems and SMB servers will appreciate the performance the RocketRAID 2710/272x series host adapters deliver.

Rich Entry Level RAID Featurs

OCE (Online Capacity Expansion) allow users to dynamically increase the capacity of their array as their storage and performance requirements grow. ORLM (Online RAID Level Migration) allow administrator's to morph their array from one RAID level to another without losing existing storage investments.

Advance Data Protection features include bad sector repair and remapping, ensuring data availability. SHI (Storage Health Inspector) will monitor S.M.A.R.T disk attributes and alert users of potential drive failures before they occur.

Unified RocketRAID RAID Management Suite manages storage for all major OS environments including Windows, Linux and FreeBSD through the browser-based graphical user interface, a CLI (Command Line Interface) or from an API (Application Program Interface). Notification options include, email alerts and audio alarms in the event of a drive, RAID array, channel and SMART failure.

RocketRAID 2710/272x Series Table

Model	RocketRAID 2710	RocketRAID 2720	RocketRAID 2721	RocketRAID 2722
PCI-Express Lanes	Gen 2 x8	Gen 2.0 x8	Gen 2.0 x8	Gen 2.0 x8
Port Count	Internal 4 Ports	Internal 8 Ports	Internal 4/External 4 Ports	External 8 Ports
SAS/SATA Interface	SAS/SATA 6Gb/s	SAS/SATA 6Gb/s	SAS/SATA 6Gb/s	SAS/SATA 6Gb/s
RAID Level	RAID 0, 1, 5, 10 and JBOD	RAID 0, 1, 5, 10, 50 and JBOD	RAID 0, 1, 5, 10, 50 and JBOD	RAID 0, 1, 5, 10, 50 and JBOD
Connector Type	1 x Internal Mini-SAS(SFF-8087)	2 x Internal Mini-SAS(SFF-8087)	1 Internal Mini-SAS/1 External Mini-SAS	2 x External Mini-SAS(SFF-8088)
Board Dimensions	3.79"L x 2.55"W	3.79"L x 2.55"W	4.73"L x 2.68"W	4.73"L x 2.68"W
Cable Included	(1) SFF-8087 to SFF-8087	(2) SFF-8087 to SFF-8087	(1) SFF-8087 to SFF-8087	N/A

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Host Adapter Architecture

- PCI-Express x8 (Gen 2)
- Support up to 4/8 SAS and SATA drives
- 1/2 Internal Mini-SAS Connectors(RR2710/2720)
- 2 External Mini-SAS Connectors(RR2722)
- Hot swap and hot plug
- RoHS compliant

Advance RAID Features

- Support RAID 0, 1, 5, 10, (50) and JBOD
- NCQ (Native Command Queuing)
- Auto detect of unplug/plug SAS/SATA hard drive for RAID auto rebuild
- Staggered drive spin up
- Bad sector repair and remapping
- Disk Scrubbing
- BIOS Booting (INT13) to RAID array for better redundancy
- 64bit LBA for RAID arrays greater than 2TB single partition
- S.M.A.R.T array monitoring for hard drive status and reliability

RAID Management

- Online Capacity Expansion (OCE) and Online RAID Level Migration (ORLM)
- Quick and Background initialization for instant RAID access API library for customization
- CLI (Command Line Interface)
- Web GUI RAID management (local and remote monitoring)
- Online array roaming
- SHI (Drive analysis driven from S.M.A.R.T)

Array Monitors, Alerts and Indicators

- Hard Drive LED Indicators (Activity and Failed)
- SMTP email notification for events and error reporting
- Alarm/Buzzer alerts for drive or array failure
- SAF-TE (I2C) and SGPIO enclosure management

Operating System Support

- 32 and 64bit Windows (7, 2008, Vista, 2003, XP, 2000)
- Linux
- FreeBSD
- Mac OS X 10.5 and above for RocketRAID 2722 only

RocketRAID 2710/272x Information

PHYSICAL SPECIFICATIONS

Size: 3.79" L x 2.55" W (RR2710/RR2720)
4.73" L x 2.68" W (RR2721/RR2722)
EMI: FCC Part 15 Class B and CE

THERMAL AND ATMOSPHERIC CHARACTERISTICS:

Work Temperature Range: +5°C ~+ 55°C
Relative Humidity Range: 5% ~ 60% non condensing
Storage Temperature: -20°C~ + 80°C
MTBF: 920,585 Hours

KIT CONTENTS:

- RocketRAID 2710/272x Host Adapter
- Quick installation guide
- CD including drivers, RAID Management and User Guide
- SFF-8087 to SFF-8087 cable (Internal model only)

About Us

HighPoint Technologies, Inc. is a professional host-based RAID controller manufacturer established in 1995. We dedicate ourselves towards the manufacturing and deployment of quality, robust, cutting edge RAID host adapters based on the latest storage interfaces. Our comprehensive range of RAID and non-RAID products are designed to support the latest SAS, SATA and SSD hard disk devices.

- Comprehensive storage interface support - SAS 2.0, SAS 1.0, SATA 3.0, SATA 2.0, SATA 1.0 and legacy IDE.
- Full Bus platform support - PCI-E 2.0, PCI-E 1.0, PCI-X and PCI
- Flexible Port design – from 2 to 32 ports with internal, external and hybrid port connectivity
- Extensive RAID level support 0, 1, 5, 10, 50 and JBOD
- Compliance with all major operating system platforms, including Windows, Linux, FreeBSD and Mac OSX.
- HighPoint Software Solutions – A universal user-friendly web-based management interfaces maintains RAID storage devices across networks, regardless of the computing platform.

HighPoint Global Website	**HighPoint Website for Mac**	**HighPoint Website for eSATA**
www.highpoint-tech.com	www.hptmac.com	www.hptesata.com

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