RocketRAID 2240

16-Channel Multi-Port Infiniband SATA II RAID Controller

- 16-Channel Multi-Port Infiniband SATA II RAID controller
- PCI-X 64 bit 133/100/66 MHz
- 4 Infiniband connectors for reliability and easy installation
- RAID 0, 1, 5, 10 and JBOD
- Native Command Queuing (NCQ)
- Hot swap and hot spare
- Online Capacity Expansion and Online RAID Level Migration (OCE/ORLM)
- SAF-TE enclosure management ready
- Staggered drive spin-up support
- Hard drive activity and failed LED support
- S.M.A.R.T monitoring hard drive status for reliability
- Automatic RAID rebuild
- BIOS booting support
- Online array roaming
- Quick and Background initialization for quick RAID configuration
- Support 64-bit LBA for over 4TB partition
- Web based RAID management software
- Command Line Interface (CLI)
- SMTP for email notification
- Operating systems support Windows®, Linux™ and FreeBSD

RocketRAID 2240 HOST ADAPTER

The HighPoint RocketRAID 2240 RAID Controller offers a highly integrated Infiniband connectivity solution for entry-level storage servers commonly found in small to medium size business (SMB) IT environments. The RocketRAID 2240 delivers optimized performance and features through the use of HighPoint's industry leading RAID technology

The RocketRAID 2240 is the next generation in storage technology, leveraging the latest in storage performance - SATA II - supporting the fastest available throughput and supporting enterprise level features such as Native Command Queuing (NCQ), staggered driver spin-up and SAF-TE enclosure management support.

The RR2240 supports up to 16 SATA I or SATA II hard drives meetings the needs to storage intensive applications such as video-editing and digital imaging.

The RocketRAID 2240 multi-port Infiniband RAID Controller delivers optimum performance by utilizing the PCI-X bus bandwidth capabilities.

With speeds of up to 1GB/sec., the RR2240 is capable of supporting digital content creation, rich content delivery, and complex database environments.

To ensure a smooth transition path, the RR2240 leverages the existing RocketRAID 2220 software architecture, allowing HighPoint to deliver industry leading quality and stable software.

The RocketRAID 2240 RAID Controllers are an integrated family of advanced storage connectivity solutions. These products are designed to provide reliable connectivity, intelligence and scalability. Meeting tomorrow's connectivity needs today, the RR2240 RAID Controller extends the capabilities of software and hardware, relieving them from their data management burdens.

EASY RAID MANAGEABILITY

HighPoint's intuitive browser based and graphical RAID utilities simplify RAID storage management. Storage can be configured and monitored remotely from a single workstation providing convenience and flexibility, ensuring 24x7 data accessibility.

Multi-Port Infiniband Connectors

The RR2240 integrates four Infiniband ports to support up to 16 SATA I or SATA II hard drives. The RR2240 utilizes Infiniband's proven connectivity for stability and reliability and ease of installation.

COMPREHENSIVE OS SUPPORT

HighPoint offers the broadest range of supporting for all major operating systems to ensure OS and hardware server compatibility. Drivers are available for all major operating systems, including Windows®, Linux™ and FreeBSD.

PHYSICAL SPECIFICATIONS

Size: 7.087"L x 3.780"H (180mm x 96mm)

EMI : FCC Part 15 Class B and CE

Thermal and Atmospheric Characteristics:
Work Temperature Range :+10°C ~ +55°C
Relative Humidity Range : 5% ~ 60% non-condensing
Storage Temperature : -~20°C ~ 80°C

MTBF: 920,585 Hours

Electrical Characteristics:
PCI/PCI-X+3.3V :   2.57A
PCI/PCI-X +5.0V: 0 A
Power: 8.5W
Operating Range: +5°C~+40°C

RocketRAID 2240 Specification

Host Side Interface	PCI-X 64bit, 133/100/66MHz
Device Interface	SATA II
Number of Channels	4 Infiniband
Allowed Disk Connection	4 per Infiniband channel up to 16 (SATA I or II Hard Drives)
Supported RAID Levels	RAID 0, 1, 5, 10, JBOD
Operating Systems Support	Windows, Linux and FreeBSD
RAID Management Tool	BIOS Web based RAID Management Software and CLI
Some Highlighted Features	Hot swap/hot spare 64bit LBA for over 4TB partition support Up to 16 SATA I or SATA II hard drives Drive Activity/Failed LED support SMTP support for email notification