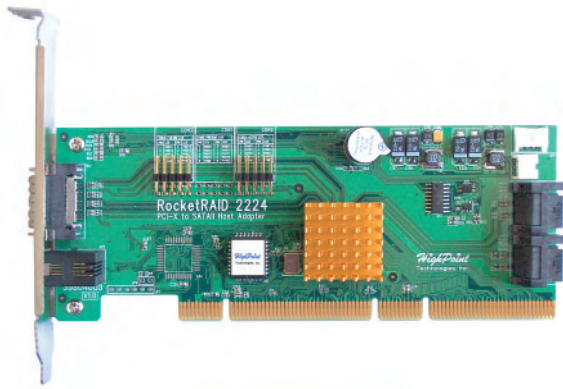# RocketRAID 2224

4 Internal / 4 External Channels SATA II RAID Controller

- 4 Internal and 4 External PCI-X to SATA II RAID Controller
- 1 external Infiniband connector to external 4-bay enclosure
- Support 4 internal and 4 external SATA I or SATA II hard drive
- PCI-X 64 bit 133/100/66 MHz
- Up to 3Gbps transfer rate
- RAID 0, 1, 5, 10 and JBOD
- Native Command Queuing (NCQ)
- Staggered drive spin-up
- Online Capacity Expansion (OCE) and Online RAID Level Migration (ORLM)
- Hot swap and hot spare
- Quick and Background initialization for quick RAID configuration
- SAF-TE enclosure management ready
- S.M.A.R.T monitoring hard drive status for reliability
- Hard drives activity and failed LED support
- Automatic RAID rebuild
- BIOS booting support
- Online array roaming
- Support 64-bit LBA for over 2TB partition
- Web based RAID management software
- Command Line Interface (CLI)
- SMTP support for email notification
- Power Mac G5 support
- Support Windows®, Linux™, FreeBSD and Mac OS X

RocketRAID 2224 HOST ADAPTER

The HighPoint RocketRAID 2224 is a high performance PCI-X to SATA II HBA. The RocketRAID 2224 supports key features with hot-swap and hot-spare that are critical to ensuring business continuity.

The HighPoint RocketRAID 2224 Controller offers 4 internal ports that combine high performance storage connectivity of Serial ATA with HighPoint's advanced RAID features, including, Online Capacity Expansion, RAID Level Migration and HighPoint's RAID Management software.

The RocketRAID 2224 also features an external Infiniband connection that is a highly reliable locking cable connector that combines four SATA ports into one on the controller side.

Supporting RAID levels 0, 1, 5, 10, and JBOD, plus disk hot plug, hot swap and HighPoint's RAID features, the RocketRAID 2224 is an ideal solution for applications where high levels of sustained read and write performance are required, including video streaming, web content, reference data and fixed content storage.

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.

COMPREHENSIVE OS SUPPORT

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

HighPoint X4

The HighPoint X4 external storage enclosure is compatible with the RocketRAID2224 host adapter. It delivers scalability and flexibility to the midrange storage market by utilizing the connectivity of external Infiniband with the cost advantages of SATA hard drives. The X4 is an ideal solution for applications that require bandwidth, greater fault tolerance, additional availability, and easy scalability.

PHYSICAL SPECIFICATIONS

Size: 6.425"L x 2.535"H(163.2mm x 64.4mm)

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 to +80°C

MTBF: 920,585 Hours

Electrical Characteristics:
PCI/PCI-X+3.3V :   0.9A
Power   :   3W

RocketRAID 2224 Specification

Host Side Interface	PCI-X 64bit, 133/100/66MHz
Device Interface	Serial ATA II
Number of Channels	4 internal and 1 external Infiniband
Allowed Disk Connection	8 SATA I or II hard drives
Supported RAID Levels	RAID 0, 1, 5, 10, JBOD
Operating Systems Support	Windows, Linux, FreeBSD and Mac OS X
RAID Management Tool	BIOS Web based Management and CLI
Some Highlighted Features	Native CQ support Hot swap/hot spare 64bit LBA for over 2TB partition support Disk Activity/Failed LED support SMTP support for email notification