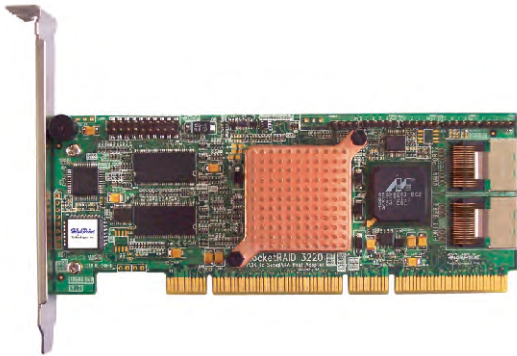


RocketRAID 3220

8 Channel PCI-X SATA II IOP Based RAID Controller



- Intel® 80331 I/O Processor and RAID Offload Engine
- 128MB DDR SDRAM with ECC protection
- Host Bus Type PCI-X 64bit@133MHz for fast data transfers
- 2 internal Mini-SAS connectors for secure and reliable connection
- Support RAID 0, 1, 5, 10, 50 and JBOD
- Supports up to 8 SATA II or SATA I Hard Drives at 3.0Gb/s or 1.5Gb/s
- Battery Backup Module (BBU) ready to prevent lost data
- Native Command Queuing (NCQ) for higher performance
- Online Capacity Expansion (OCE) and Online RAID Level Migration (ORLM)
- Staggered drive spin up to reduce power consumption during bootup
- (Activity / Failed) LED function to identify drive activity and failed drive in chassis
- SAF-TE management functions to monitor chassis enclosure conditions
- BIOS Booting (INT13) to RAID array for greater fault tolerance
- Quick and Background initialization for instant RAID access
- Write through and write back cache for RAID arrays
- Hot swap and hot spare for data availability and automatic RAID rebuild
- Support up to 4 adapters in one system for large storage configurations
- Online array roaming
- Automatic RAID rebuild and reconstruction for degraded RAID array
- S.M.A.R.T array monitoring for hard drive status and reliability
- 64bit LBA for RAID arrays greater than 2TB
- Low profile form factor for 1U Rackmount Servers
- Upgradable host adapter firmware in OS (Windows and Linux)
- Web browser-base software (Web GUI) for RAID management
- Command Line Interface (CLI)
- SMTP email notification for events and error reporting
- Remote array management through (Web GUI, RAID GUI and CLI)
- Support Windows (XP, 2000, Server 2003), Linux and FreeBSD

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RocketRAID 3220 HOST ADAPTER

The HighPoint RocketRAID 3220 PCI-X SATA II RAID Controller offers the features needed for enterprise level storage environments. The RocketRAID 3220 delivers optimized performance and features through the use of HighPoint's industry-leading RAID technology.

The RocketRAID 3220 is the latest product in storage technology, leveraging the storage performance in SATA II and supporting the fastest available throughput while supporting enterprise level features such as Native Command Queuing (NCQ), staggered drive spin-up and SAF-TE enclosure management support.

Internal Mini-SAS Connectors

The Mini-SAS Interconnect System offers both connectors and cable assemblies that enable flexible speed compatibility for applications ranging from 1.5 to 6.0 Gbps, with capability up to 10.0 Gbps, and is an ideal interconnect solution for the growing server storage market.

Intel 80331 I/O Processor and SDRAM

The RocketRAID 3220 RAID Controller has an integrated hardware I/O processor for RAID 5 parity calculations. With the new I/O processor the system CPU is free to perform other important tasks. There is also 128MB of DDR SDRAM with ECC protection on the RocketRAID 3220 RAID Controller for improved performance and is utilized with the optional battery back up unit for system disasters.

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 and FreeBSD. Embedded Linux drivers into main Linux kernel help customers easily install and configure the RocketRAID 3220.

PHYSICAL SPECIFICATIONS

Size: 6.574"L x 2.535"W (167.00mm x 64.41mm)

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 ~ 80°C

MTBF: 920,585 Hours

Electrical Characteristics:

PCI/PCI-X+3.3V : 0.9A

Power: 3W

RocketRAID 3220 Specification

Host Side Interface	PCI-X 64bit@133MHz
Device Interface	SATA I or SATA II
Number of Channels	2 Internal Mini-SAS
Supported RAID Levels	RAID 0, 1, 5, 10, 50 and 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 Drive Activity/Failed LED support SMTP support for email notification OCE/ORLM Automatic RAID Rebuild Online Array Roaming

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three limited warranty information