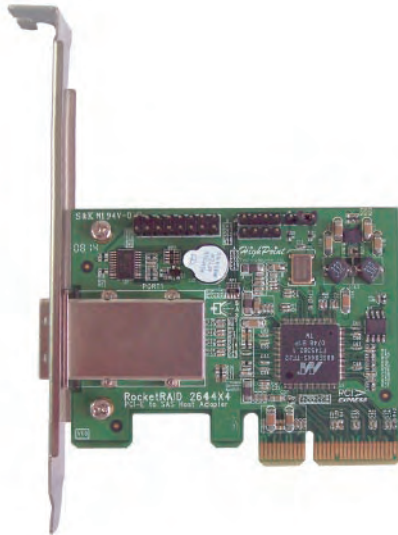


RocketRAID 2644X4

4 Channel External PCI-Express x4 SAS RAID Controller



Host Adapter Architecture

- PCI-Express x4 (adjustable to x1 speed with jumper)
- 1 External mini-SAS/SATA 3Gb/s Device Port
- Up to 4 SAS/SATA Hard Drives
- 128 max hard drives via SAS expanders
- NCQ (Native Command Queuing)
- Low Profile

Advance RAID Features

- Support RAID 0, 1, 5, 10, and JBOD
- Multiple RAID support
- Multiple logical drive support
- BIOS booting support
- Online array roaming
- Automatic drive (insert / removal) detection
- Automatic RAID rebuild
- 64bit LBA support greater than 2TB per volume
- S.M.A.R.T (Early Warning System)
- TerabyteGuard™ for data protection and reliability
- Bad sector repair and remapping to reduce dropped drives

Array Monitors, Alerts and Indicators

- Hard Drive LED indicators (Activity and Failed)
- Email Notification
- Alarm / Buzzer alert for drive / array failure
- Enclosure management support I2C and SGPIO

RAID Management

- Online Capacity Expansion (OCE) and Online RAID Level Migration (ORLM)
- Quick and Background initialization for instant RAID configuration
- Write Back and Write Through support
- API Library for customization
- CLI (Command Line Interface)
- Web GUI RAID management (local and remote monitoring)
- SHI (Storage Health Inspector – Drive analysis from S.M.A.R.T)

Operating System Support

- Windows 2000, XP, 2003, 2008 and Vista (32 and 64 bit)
- Linux (Fedora Core, Red Hat Enterprise Linux / CentOS, SuSE)
- Mac OS X 10.4.x and above
- FreeBSD
- Linux Open Source

RocketRAID 2644X4

4 Channel External PCI-Epress x4 SAS RAID Controller

ROCKETRAID 2644X4 HOST ADAPTER

The RocketRAID 2644X4 is high-performance SAS RAID solutions, delivering reliability to demanding data-intensive applications such as tiered storage environments (disk-to-disk or disk-to-disk-to-tape backup), security and surveillance, video editing, and digital content creation.

Support for both SAS and SATA 3Gb/s drives on the same controller maintains configuration optimization for performance based on the characteristics of SAS and SATA drives available today.

HighPoint RAID Management

HighPoint RAID Management software offers a user friendly interface to create, manage and maintain your storage solutions. Email notification and remote are some of the advance features that the RAID Management software has to offer.

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, Mac OS X and FreeBSD. Linux Open Source drivers help customers install and configure the RocketRAID 2644x4.

PHYSICAL SPECIFICATIONS

Size: Size: 87.8mm x 64.3mm x1.6mm

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-e : 3.3V

Power: 5W

RocketRAID 2644X4 Specification

| | |
|---------------------------|--|
| Host Side Interface | PCI-e x4 (x1 speed with jumper) |
| Device Interface | (SAS 1.0) or (SATA II / I) |
| Number of Channels | 4 SAS/SATA Device Channels |
| Supported RAID Levels | RAID 0, 1, 5, 10, and JBOD |
| Operating Systems Support | Windows, Linux, Mac OS X, FreeBSD |
| RAID Management Tool | BIOS Web based RAID Management Software and CLI |
| Some Highlighted Features | Hot swap/hot spare 64bit LBA for over 2TB 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