



"Going Green Makes Sense"

## RocketRAID 2600 SAS/SATA RAID Value Series

Cost Effective / SAS Connectivity Plus Performance with RAID 5

### Highlights

- Up to **640MB/s** read and **600MB/s** write
- Flexible SAS/SATA Hard Drive Support
- Up to 128 (SAS/SATA) devices via SAS Expander
- PCI-Express bus technology for fast data transfers
- RAID levels 0, 1, 5, 10, and JBOD
- TerabyteGuard™ safe guarding against drive failures with monitoring and warning tool (SHI) - Storage Health Inspector
- HighPoint RAID Management Suite (HRM Suite) to manage, monitor and configure RAID arrays
- OS support (Windows, Linux, FreeBSD and Mac OS X) with WHQL Certification for Windows Vista 32 and 64 bit

The new SAS RAID controller series will infuse systems with a new level of flexibility, performance and reliability at an affordable price.

### World's Smallest SAS Connectivity RAID 5 HBA

Small is Beautiful – a revolutionary design strategy of shrinking the form factor without compromising performance. The RocketRAID 2680 RAID 5 performance can sustain 561MB/s read and 654MB/s write while also protecting storage investments with HighPoint TerabyteGuard™.

The RocketRAID 2680 has the smallest HBA foot print design measuring at 3.3 inches for high density storage platforms and with built-in SFF-8087 connectors to simplify cable connectivity.

### Flexibility of SAS/SATA

The RocketRAID 2600 Series offers the flexibility to be able to support either 15,000 rpm SAS hard drives for performance or low cost SATA hard drives for capacity. The ability to deploy either type of drives allows the computer system to be optimized for specific application and cost requirements.

Disk with SAS interfaces are designed to meet the performance and reliability characteristics required for RAID systems. SAS drives retain all of the reliability and performance advantages of traditional SCSI and while eliminating the weaknesses of the parallel interface.

### HighPoint TerabyteGuard™



### Maintain, Contingency, Monitoring

SMB (Small to Medium Size Business) need to have their data accessible at all times. Such requirements place great importance on storage reliability. Continuous usage and wear and tear pose a persistent threat to the long term reliability of data storage. Basic RAID functions do not provide adequate protection against storage failures.

HighPoint TerabyteGuard™ is an intuitive storage guardian that delivers a distinctive set of benefits which carry out the process of recovery transparent to the user. A proactive system prompts the user during emergencies and provides a history of storage events. SMB's can enjoy maximized storage availability and minimized storage downtime.



#### APPLICATIONS FOR HIGHPOINT SAS RAID CONTROLLERS



# RocketRAID 2600 Series

## Host Adapter Architecture

- PCI-Express (x1 and x4)
- 4 to 8 (Internal and / or External) SAS / SATA 3Gb/s ports
- From 4 to 8 SAS/SATA hard drive support
- SAS Connectivity Expandable to 128 SAS / SATA via Expanders
- Low Profile

## Supported RAID Features

- RAID Levels 0, 1, 5, 10 and JBOD
- Multiple RAID Support
- Online Array Roaming
- Automatic RAID Rebuild
- Automatic Drive Insertion
- Quik Initialization
- Online Capacity Expansion / Online RAID Level Migration
- Hot Spare - (global)
- Staggered Drive Spin-up
- Bad Sector Repair and Remapping
- BIOS Booting Support

## HighPoint RAID Management (HRM) Suite

- Web GUI management utility
- CLI (Command Line Interface)
- BIOS Management

## Alerts and Indicators

- SMTP (Email Notification)
- (Hard drive activity and failure) LED
- SAF-TE chassis environment monitoring

## Operating System Support

- Microsoft® Windows® 2008/2003/XP/2000, Vista 32 and 64 bit
- Red Hat Enterprise Linux, Open SuSE, Fedora Core, Debian
- FreeBSD
- Mac OS X.
- Linux Open Source Drivers

## Package Contents

- RocketRAID 2600 Series SAS RAID Controller
- RocketRAID SAS user manual
- Low profile bracket
- Software CD with (Drivers and Manual)
- Cables (Point to point) and internal mini-SAS

## Warranty

- 3 Years

## Specifications

- RocketRAID 2680 (79.3mm x 65.0mm) 3.12"L x 2.55"W
- RocketRAID 2644X4 (87.8mm x 64.3mm) 3.45"L x 2.53"W
- RocketRAID 2642 (79.4mm x 67.5mm) 3.12"L x 2.65"W
- RocketRAID 2640X4 (87.8mm x 64.3mm) 3.45"L x 2.53"W
- RocketRAID 2640X1 (87.8mm x 64.3mm) 3.45"L x 2.53"W

## Operating Temperature

(Work Temp +5° C ~+ 55° C)  
(Relative Humidity 5% ~ 60% non condensing)  
(Storage Temp ~20 ~ 80° C)

## Operating Voltage

PCI-e: 3.3V / Power: 5W

## Regulatory Certification

FCC and CE

## MTBF (Mean Time Between Failure)

920,585 Hours

## RocketRAID 2600 Series Selection Guide

### RocketRAID 2680 RocketRAID 2644x4 RocketRAID 2642 RocketRAID 2640x4 RocketRAID 2640x1

Form Factor	Low profile	Low profile	Low profile	Low profile	Low profile
Port Count	8	4	4	4	4
PCI Express Lanes	x4	x4	x4	x4	x1
RAID Levels	0,1,5,10,50 and JBOD	0,1,5,10 and JBOD	0,1,5,10, and JBOD	0,1,5,10 and JBOD	0,1,5,10 and JBOD
Connector Type	Internal mini-SAS	External mini-SAS	Internal & External SAS/SATA	Internal SAS/SATA	Internal SAS/SATA
UPC Code	643653268009	643653264407	643653264209	643653264049	643653264018



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