

# RocketRAID 1740

## 4 channel PCI SATA II RAID Controller



- PCI 32bit@33/66 MHz
- 4 SATA II 3Gb/s ports
- Up to 4 SATA II or SATA I Hard Drives
- Support RAID 0, 1, 5, 10, and JBOD
- Backward compatible to RocketRAID 1640 RAID arrays
- Native Command Queuing (NCQ)
- Online Capacity Expansion (OCE) and Online RAID Level Migration (ORLM)
- Staggered drive spin up
- Hard Disk (Activity / Failed) LED chassis function
- SAF-TE Enclosure Management Functions
- BIOS Booting (INT13) to RAID array
- Quick and Background initialization for instant RAID access
- Write through and write back cache for RAID arrays
- Hot swap and hot spare
- Online array roaming
- Automatic detect drive to rebuild degraded RAID
- 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 chassis
- Web browser-base software (Web GUI)
- 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
- RoHS Compliant

## RocketRAID 1740 Host Adapter

The HighPoint RocketRAID 1740 PCI SATA II RAID Controller offers the features needed for entry level storage environments. The RocketRAID 1740 delivers optimized performance and features through the use of HighPoint's industry-leading RAID technology.

The RocketRAID 1740 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.

The RocketRAID 1740 PCI SATA II RAID Controller delivers optimum performance with speeds of up to 300MB/sec per port.

The RocketRAID 1740 PCI SATA II RAID Controller is 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 RocketRAID 1740 PCI SATA II RAID Controller extends the capabilities of software and hardware, relieving them from their data-management burdens.

## Backward compatible to RocketRAID 1740

The RocketRAID 1740 PCI SATA II RAID Controller is backward compatible to RAID arrays created with HighPoint SATA I RocketRAID 1640 controller. All RAID arrays created on the RocketRAID 1640 can be moved over to the RocketRAID 1740 SATA II PCI RAID Controller and RAID arrays can be expanded with the new features available in the RocketRAID 1740 such as Online Capacity Expansion and Online RAID Level Migration.

## 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.

## PHYSICAL SPECIFICATIONS

Size: 5.929"±L x 2.527"±W (150.6mm x 64.2mm)  
EMI : FCC Part 15 Class B and CE

### Thermal and Atmospheric Characteristics:

Work Temperature Range : +5 °C ~ +40 °C  
Relative Humidity Range : 20% ~ 80% non-condensing  
Storage Temperature : ~ - 40 ~ 60 °C

MTBF: 920,585 Hours

### Electrical Characteristics:

PCI+3.3V : 0.9A  
Power: 3W

## RocketRAID 1740 Specification

Host Side Interface	PCI@33/66MHz
Device Interface	SATA I or SATA II
Number of Channels	4 SATA Channels
Supported RAID Levels	RAID 0, 1, 5, 10 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