

# RocketRAID 1810A

## 4 Channel PCI-X Serial ATA RAID Controller



- PCI-X 64bit@133MHz (Backward compatible to 32bit@33MHz PCI)
- Backwards compatible with PCI slot
- 4 Channel PCI-X to SATA RAID Controller
- Support up to 4 SATA Hard Drives(compatible with SATA II Hard Drives)
- Support RAID 0, 1, 5, 10 and JBOD
- Supports Tagged Command Queuing
- Advanced Cache Algorithm and Optimized XOR Technique
- Supports hot-spare for automatic rebuild
- Bootable disk or disk array support
- Windows-based RAID configuration & management software tool (compatible with BIOS)
- Real-time monitoring of device status and error alarm with popup message box and beeping
- Event log for easy troubleshooting
- Large LBA supports drive capacity exceeding 137GB
- Support Windows, Winx64, Windows Vista, Linux, FreeBSD and Mac OS X

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### SCSI REPLACEMENT

Making sure that data is protected – while remaining instantly accessible – requires faster, smarter solutions. HighPoint offers such a solution with an Optimized XOR technique with advanced Intelligent Cache Algorithm powered by HighPoint's HPT601. This solution provides a significant performance enhancement and it is ideal for RAID implementations. This will be the preferred choice of OEMs, ODMs, system integrators and resellers worldwide for its superior performance and ease of use. This solution will offer the best performance versus cost ratio for Terabyte systems.

### INTRODUCTION TO PCI-X

The 64-bit PCI-X architecture supports transfer rates above 1 gigabyte per second, and operates at speeds up to 133 MHz. In addition, it is backward compatible with the existing standard PCI bus. The bandwidth provided by PCI-X is ideal for industry standard servers running enterprise applications.

### THE ROCKETRAID 1810A

With 4 Serial ATA channels, the RocketRAID 1810A provides advanced RAID functionality at an affordable price. It can support up to eight hard disks and utilizes a 64bit, 133MHz PCI-X bridge. The RocketRAID 1810A solution is aimed at enterprise storage, NAS storage, workgroup and web servers, video streaming, back up and security systems.

### AN IDEAL SATA RAID SOLUTION

As a high-performance, affordable RAID solution, the RocketRAID 1810A makes sense for nearly any Server, critical business data storage, gaming, security system, and high-end personal storage.

### SATA RAID FUNCTION & WINDOWS-BASED UTILITY FOR RAID CONFIGURATION / MANAGEMENT

Serial ATA provides multi level RAID supports including RAID 0, 1, 5, 10, and JBOD, as well as powerful software management functions. In addition to the BIOS configuration utility, the RocketRAID 1810A includes Windows-based RAID configuration software.

#### RocketRAID 1810A Specification

Host Side Interface	64bit, 66/100/133MHzPCI-X
Device Interface	Serial ATA I or II
Number of Channels	4 Device Channels
Supported RAID Levels	RAID 0, 1, 5, 10, JBOD
Operating Systems Support	Windows, Winx64, Windows Vista, Linux, FreeBSD and Mac OS X
RAID Management Tool	BIOS Web based RAID Management Software and CLI
Some Highlighted Features	Hot spare Support large capacity hard drives BIOS Booting support SMTP support for email notification

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