

# RocketRAID 464

## Four-Channel ATA RAID 5 Host Adapter

*Optimized XOR Technique*

*Advanced Cache Algorithm*

*A replacement for SCSI in  
Performance and Capacity*



- Supports four ATA channels and up to 8 hard disks
- Optimized XOR Technique and Advanced Cache Algorithm powered by HPT601
- Supports up to ATA133 hard disks
- Supports RAID 0, 1, 5, 10 and JBOD
- Up to 512 MB/s transfer rate for RAID 0 configuration
- Supports hot spare and hot swap
- Bootable disk or disk array support
- Error alarm and notification mechanism
- Operating Systems support: Windows 9X/ME/NT4.0/2K/XP/2003, Linux (Red Hat, SuSE, Mandrake, Debian), and FreeBSD
- OS-based RAID configuration & management software tool (compatible with BIOS)
- Real-time monitoring of device status and error alarm with popup message box and beeping
- Supports hard disk capacity over 137GB
- Best performance versus cost for Terabyte solutions
- Low profile

**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 RocketRAID 464**

As a four channel ATA133 RAID 5 adapter, the RocketRAID 464 supports up to 8 IDE hard disk drives, and provides multi level RAID support including RAID 0, 1, 5, 10 and JBOD. The RocketRAID 464 is a high quality, cost-effective solution for all your storage needs. It imposes no restrictions on hard disk capacity, and will satisfy most business and personal applications. This will be the preferred choice of OEMs, ODMs, system integrators and resellers worldwide for its superior performance and ease of use.

**HIGH SPEED & DATA SECURITY**

The RocketRAID 464 can support multiple RAID arrays and provide parallel disk/array access. With the RocketRAID 464 adapter’s RAID 0 and 10 capabilities, data storage and retrieval is dramatically faster than single drive systems. For RAID 1 and 10, the RocketRAID 464 provides disk mirroring, which provides a high level of security and data protection against hard disk failures.

**WINDOWS-BASED UTILITY FOR RAID CONFIGURATION / MANAGEMENT**

In addition to the BIOS configuration utility, the RocketRAID 464 includes Windows-based RAID configuration software.

**WHERE WOULD YOU NEED RocketRAID 464**

As a high-performance, affordable RAID 5 solution, the RocketRAID 464 makes sense for nearly any corporate, industrial, and home environment. The RocketRAID 464 ATA controller is ideal for LAN servers, critical business data storage, high-end PC workstations, gaming, video stream systems, security and high-end personal storage.

**THE RocketRAID 464 SPECIFICATION**

<b>Host Side Interface</b>	32bit, 33MHz PCI
<b>Disk Interface</b>	IDE
<b>Number of Channels</b>	Four Device Channels
<b>Allowed Disk Connection</b>	Eight ATA Hard Disks
<b>Supported RAID Levels</b>	RAID 0, 1, 5, 10, JBOD
<b>Operating Systems Support</b>	Windows 9X/ME/NT/2K/XP/2003; Linux (Red Hat, SuSE, Mandrake, Debian, and Open build drivers); and FreeBSD
<b>RAID Management Tool</b>	BIOS OS-based Management Software
<b>Some Highlighted Features</b>	<ul style="list-style-type: none"> <li>- Automatic E-mail notification when error occurs</li> <li>- Bootable array support</li> <li>- Large LBA support capacity exceeding 137GB</li> </ul>



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