

# RocketRAID 100



Dual-channel ATA100 RAID solution

- ▶ Supports ATA100 hard drives
- ▶ Maximum 4 drives in connection
- ▶ Supports RAID 0, 1, 0+1, JBOD
- ▶ Supports hot-swapping hard drive of mirror array
- ▶ Windows-based utility for RAID configuration & management
- ▶ Device status real-time monitoring and error alarm mechanism
- ▶ Hot spare supports
- ▶ Bootable disk or disk array supports

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## RocketRAID 100

RocketRAID 100 is a dual-channel IDE RAID adapter, which features mainly with supporting ATA100 hard drives, supporting multi RAID levels including RAID 0, 1, 0+1 and JBOD, and as well as some other powerful functions, like hot-swapping failed mirror drive.

### Paralleling dual ATA channel operation to deliver high data store/retrieve performance

RocketRAID 100 supports high speed ATA100 hard drive with a transfer rate up to 100MB/s. In addition, RocketRAID 100 can parallel the access of two independent ATA channels. For RAID 0 array, it means doubling the data transfer performance faster than single drive system.

### Windows-based Utility for easy RAID configuration

In addition to the BIOS RAID configuration utility, RocketRAID 100 provides a Windows-based configuration program, named RAID Administrator, which can be run under Windows 98/ME, Windows NT4.0 and Windows2000, and provides users with easiest operation on RAID configuration.



### High data security based on data mirroring, disk hot spare and hot-swapping failed drive

RocketRAID 100 can real-timely and automatically duplicate all data onto another hard disk for backup (RAID 1 array), hot spare a disk for automatically rebuilding failed mirror array, and allow users hot-swapping mirror array's failed drive. All these functions can provide maximum data protection against a hard drive failure without turning down the computer or even interrupting computer's service.

### RocketRAID 100 Specification

Host side Interface	32bit/33MHz PCI
Device side Interface	Ultra DMA/ATA100
RAID Controller IC	HighPoint HPT370A UDMA/ATA100 RAID Controller
PCB	4-layer, Low profile
Number of IDE Channels	Dual Channels
Supported Hard Drives	ATA100 hard drive and backward compatible
Supported RAID Levels	RAID 0, 1, 0+1 and JBOD
Supported OSs	Windows98/ME, Windows NT4.0, Windows2000, Linux
Maximum Data Throughput	100MB/s per channel, & 200MB/s burst rate on two channels in parallel
Sustained data transfer rate of RAID 0 array	60MB/s to 70MB/s
BIOS Function	RAID Configuration and Management
GUI Function	RAID Configuration and Management (compatible with BIOS)
Plug and Play	Yes
MISC functions	Bootable disk or disk array support Disk hot spare for automatic mirror rebuilding Hot-swapping failed hard drive of mirror array Device status monitoring and error alarm mechanism Event Log for trouble shooting

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