

# DM73: 4-Channel Serial ATA II 64-bit PCI-X RAID Controller

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- ✓ Silicon Image Sil3124-2 Chip, 4 SATA II Channels
- ✓ Supports RAID 0 (striping) 1 (mirroring) and 0+1
- ✓ 133MHz PCI-X Data Transfer Rate up to 1.064GB/S
- ✓ Supports SATA II Rate up to 3.0Gb/s
- ✓ Optional bracket for Low Profile PCI form factor
- ✓ Supports Serial ATA II Port Multiplier Specifications
- ✓ Supports Serial ATA II Native Queuing
- ✓ Co-resides with Motherboard IDE devices
- ✓ ROM BIOS supports RAID setup and Boot Features
- ✓ Supports up to Hard Drives over 137GB
- ✓ Bundles GUI RAID utilities for rebuilding array

## INTRODUCTION

The CI-3540 is the most powerful Serial ATA II PCI-X RAID Host Adapter to accommodate Serial ATA II devices and RAID sub-systems with the new technology of RAID 0 (striping) and RAID 1 (mirroring) and RAID 0+1 (Striping and Mirroring) features. Any system with a PCI-X and PCI buses interface can simply add the Serial ATA II devices by simply adding the CI-3540 RAID controller and loading the drivers and utility into the system.

Serial ATA II is a high-speed serial link replacement for the parallel ATA attachment of mass storage devices. It is backward compatible with the current Serial ATA specifications. The serial link employed is a high-speed differential layer that utilizes Gigabit technology and 8b/10b encoding. The current data rate is 3.0Gb/s (=300MB/s).

The CI-3540 supports 4 serial ATA II ports. The built-in Silicon Image chip provides deep FIFOs, watch dog, 133MHz PCI-X transfer features and complete software driver and RAID KIT. It is the right choice for a PCI to Serial ATA II versatile devices.

## SPECIFICATIONS

### System

For 32-bit PCI and 64-bit PCI-X 133MHz Bus Systems

### PCI Interface

Fully PCI-X Specifications 1.0a Compliant

### Serial ATA II Ports

4 serial ATA II ports which fully support devices up to 3.0Gb/s transfer rate:

- Supports RAID 0 (performance) and RAID 1 (data security) and RAID 0+1 features.
- Supports hard drives greater than 137GB
- Supports 4 SATA II devices with 3.0Gb/s rate
- Supports Port Multiplier and Native Queuing Features

### Serial ATA II Devices

Supports 4 Serial ATA II devices: Hard drives, Removable HDD, and more coming devices such as CD-ROM, CD-R, CD-RW, Tape, IOMEGA, LS-120, DVD-ROM, PD, ...

### I/O Hardware

Provides 4 internal 7-pin SATA connectors.

### Software

Bundled Powerful Software Driver and RAID KIT for major Operating Systems

### OS Support

Windows NT, 2000, XP and 2003

### Form Factor

6.42" x 2.50" (16.30cm x 6.35cm)

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