

DM75: 2+2 Port Serial ATA II 64-bit PCI-X RAID Controller

- ✓ Built-in SiI3124-2 Chip, Provides 4 Serial ATA II Ports
- ✓ 2 Internal and 2 External (Shielded) SATA Connectors
- ✓ 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
- ✓ ROM BIOS supports RAID setup and Boot Features
- ✓ Supports up to Hard Drives over 137GB
- ✓ Supports Windows NT 4.0, 2000, XP, 2003, Linux



INTRODUCTION

The CI-3542 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-3542 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-3542 supports 2 internal and 2 external 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 32/64-bit PCI/PCI-X 133MHz Bus Systems

PCI Interface

Fully PCI-X Specifications 1.0a Compliant

Serial ATA II Ports

4 serial ATA II ports (2+2) 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 2 Internal and 2 External 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 2 internal 7-pin SATA and 2 external 7-pin shielded connectors.

Software

Bundled Powerful Software Driver and RAID KIT for major Operating Systems

OS Support

Windows NT 4.0, 2000, XP, 2003 and Linux

Form Factor

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