

DT05 4+2 Channel eSATA RAID PCIe Card

- ✓ Full x1 PCI Express Throughput, 250Mbytes/sec
- ✓ Fully Compliant with PCI Express Base Specifications, Revision 1.0a
- ✓ 4 eSATA External and 2 SATA Internal Channels
- ✓ Supports RAID 0 (striping) 1 (mirroring) and 0+1
- ✓ Supports Serial ATA Rate up to 1.5Gb/s
- ✓ Compliant with Serial ATA 2.0 phase 1
- ✓ Co-resides with Motherboard IDE devices
- ✓ ROM BIOS supports RAID setup and Boot Features
- ✓ Supports up to Hard Drives over 137GB
- ✓ Bundle Windows based RAID utilities for rebuilding array



INTRODUCTION

The DT05 is the most powerful Serial ATA RAID PCI Express Card to accommodate Serial ATA hard drives 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 Express bus interface can simply add the Serial ATA devices by simply adding the DT05 RAID controller and loading the drivers and utility into the system.

Serial ATA is a high-speed serial link replacement for the parallel ATA attachment of mass storage devices. The serial link employed is a high-speed differential layer that utilizes Gigabit technology and 8b/10b encoding. The current data rate is 1.5Gb/s (=150MB/s), it also provides a clear roadmap for 3 and 6Gb/s.

The DT05 supports 4 serial ATA ports, it supports 4 serial ATA devices (one for each). The built-in Silicon Image chip provides 256-byte FIFOs, watch dog features and complete software driver and RAID KIT. It is the right choice for a PCI to Serial ATA versatile devices.

SPECIFICATIONS

System

Fully Compliant with x1 PCI Express Base

Specifications 1.0a

Serial ATA Ports

4 serial ATA ports which fully support devices up to 1.5Gb/s transfer rate:

- Supports RAID 0 (performance) and RAID 1 (data security) and RAID 0+1 features.
- Supports 4 external eSATA connectors and 2 internal SATA connectors
- Supports hard drives greater than 137GB
- Supports 4 SATA devices with 1.5Gb/s rate (serial ATA Generation 2 phase 1)

Serial ATA Devices

Supports 4 Serial ATA 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 external eSATA and 2 internal SATA connectors.

Software

Bundled Powerful Software Driver and RAID KIT for major Operating Systems

OS Support

Windows 2000, XP

Form Factor

3.58" x 4.13" (9.10cm x 10.50cm)