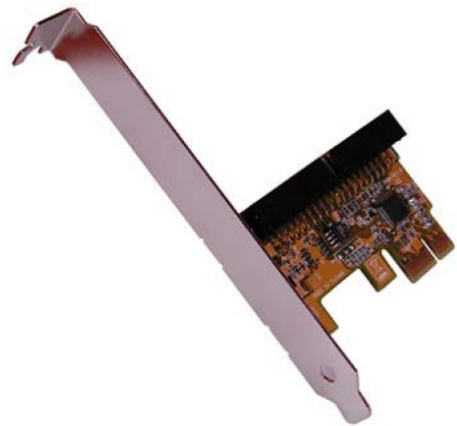# DT54   PATA PCIe Host Adapter

- ✓ Supports 1-Lane 2.5Gbps PCI Express Bus
- ✓ Provides up to 2 Storage Devices Connection
- ✓ Supports Native Mode Operation
- ✓ Supports PIO Mode 0, 1, 2, 3, 4
- ✓ Supports Multiword DMA Mode 0, 1, 2
- ✓ Supports Ultra DMA 33/66/100
- ✓ Supports ATA/ATAPI Command
- ✓ Low Profile Version by Optional Short Bracket
- ✓ ROM BIOS Supports Boot Features
- ✓ Supports 48-bit LBA mode, over 137GB Drive Size
- ✓ Supports Windows 2000, XP, 2003 and Vista

INTRODUCTION

The **DT54** PATA PCIe host adapter is designed to fit the current market trend and provides the best performance/cost choice for upgrading your personal computers.

PCI Express provides a scalable, high-speed, serial I/O bus that maintains backward compatibility with PCI applications and drivers. Its architecture defines a high-performance, point-to-point, scalable, serial bus at speed of 250Mbytes/sec to 4GBytes/sec (and 8Gbytes/sec in the future).

Per the current market trend in PC arena, the **DT54** supports MMX CPU (low CPU utilization), and multi-tasking O.S. with its Bus Master DMA transfer algorithms.

High transfer rate is supported up to 100MB/S for large imaging data file applications. It breaks the bottleneck and extends the bandwidth of the current data I/O.

Besides, with its co-resident and multiple connectivity features, the **DT54** provides the best solution for a PCI Express to IDE/ATAPI versatile devices.

SPECIFICATIONS

System
For 1-lane PCI Express Systems

PCI Express Interface

Fully PCI Express Specifications 1.0a Compliant

PATA Port
One Enhanced Ultra ATA/100 PATA port which fully supports PIO mode 4 (16.6MB/S), multi-word DMA mode 2 (16.6MB/S), and Ultra DMA mode 6 (up to 100MB/S).

- ■ Supports up to 2 PATA devices. Co-resides with motherboard SATA or PATA port.
- ■ Onboard ROM BIOS Supports Extended int13 specification for hard drives greater than 128GB
- ■ Supports auto-configuration feature for Master/Slave Drive settings

ATA/ATAPI Devices
Supports legacy and current PATA devices: PATA hard drives, Removable HDD, CD-ROM, CD-R, CD-RW, Tape, IOMEGA, LS-120, DVD-ROM, PD, …

I/O Hardware
Supports one internal 40-pin (20x2 headers) Ultra ATA/100 IDE connectors. 80-pin Ultra DMA cables were supported

OS Support
Windows 2000, XP, 2003, Vista

Form Factor
2.65″ x 1.68″ (6.75cm x 4.29cm)