

# PCIe to PCIx4 Expansion Kit

- ✓ Full x1 PCI Express Throughput, 250Mbytes/sec
- ✓ Fully Compliant with PCI Express Base Specifications, Revision 1.0a
- ✓ PCI Express Advanced Error Reporting Capability Including ECRC Support
- ✓ Expands 4 PCI 32-bit 33MHZ Slots over PCI Express Slot
- ✓ PCI Slots are fully Compliant PCI Bus Rev. 2.3
- ✓ Supports both 5V and 3.3V Add-in Cards
- ✓ Supports Cable Length up to 2 meters
- ✓ Low Profile Version is Available with Short Bracket PCI Express card
- ✓ Supports Standard ATX Motherboard Form Factor
- ✓ Can be Installed in the any Standard ATX Chassis
- ✓ Extended Virtual Channel (VC) Support  
Includes a Second VC for Quality-of-Service and Isochronous Applications
- ✓ Active State Link Power Management Support



## INTRODUCTION

The PCI Express to Quad PCI Slots Expansion Kit is specially designed to expand 4 extra PCI slots from a PCI Express Slot. It includes a PCIe adapter card, a cable, an ATX chassis bracket and the slot expansion board. The board is powered by the standard ATX power supply within the chassis. It provides instant PCI bus expansion via the PCI Express Bus (PCIe).

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).

The PCI slots of the box are fully Plug-and-Play compatible and no IRQ and I/O address conflict problems. The provides the scalability to quickly adapt to new PCI Express technologies for legacy PCI add-in cards. It allows you to add PCI connectivity as needed. The complete product line offer many choices help you to expand and make your I/O resource grow with your requirements.

## SPECIFICATIONS

### System

Fully Compliant with x1 PCI Express Base Specifications 1.0a

### PCI Slots

The Kit provides 4 PCI Slots. Their key benefits are:

- Provides four 32-bit/33MHZ PCI Slots
- Fully PCI Specifications 2.3 Compliant
- Supports both 5V and 3.3V Fault Tolerance Option
- Advanced PCI Bus Port Arbitration Options Include 128-phase, Weighted Round-Robin Time-Based and 128-phase, Weighted Round-Robin Aggressive Time-Based
- Advanced PCI Isochronous Windows for Memory Space Mapping to a Specified Traffic Class

### I/O Hardware

**Host Connector:** One 24-pin Connector for PCI Express Host cable

**ATX 2x12 Power Connector:** One standard 2x12 ATX Power Input Connector to be powered by Standard ATX PC Power Supply

### Environmental Specifications

**Operating Temperature:** 0 to 55°C (32 to 131°F), 10% to 90% relative humidity (non-condensing)

**Storage Temperature:** -40 to 75°C (-40 to 167°F), 5% to 95% relative humidity (non-condensing)

### Form Factor

6.700x5.314" (17.01x 13.50cm)