

- ✓ Full x1 PCI Express Throughput, 250Mbytes/sec
- ✓ Works in 5V and 3.3V Tolerance Options
- ✓ Fully Compliant with PCI Express Base Specifications, Revision 1.0a
- ✓ PCI Express Advanced Error Reporting Capability Including ECRC Support
- ✓ 4 Fully 16C950 High performance UART channels
- ✓ 1 IEEE1284 Compliant SPP/EPP/ECP parallel port
- ✓ UARTs Fully Compatible with 16C550-type Devices
- ✓ Baud Rate up to 921.6Kbps
- ✓ 128-byte deep FIFO per transmitter and receiver
- ✓ Detection of Bad Data in the Receiver FIFO
- ✓ 9-bit Data Framing, as well as 5,6,7 and 8 bits
- ✓ Provides 5V or 12V Power over Serial Connectors
- ✓ Automated in-band flow control using programmable Xon/Xoff in both directions
- ✓ Automated out-of-band flow control using CTS#RTS# and/or DSR#DTR#
- ✓ Complete Software Supports for Win95/98/Me, Windows NT, Windows 2000, XP, 2003 and Linux



## INTRODUCTION

The CI-58041 PCI Express I/O adapter provides 4 high performance 16C950-type UART compatible serial ports as well as one IEEE1284 SPP/EPP/ECP parallel port. It is designed for PC, thin client, or server to provide instant COM port 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 card is fully PCI Express Plug-and-Play compatible and no IRQ and I/O address conflict problems. The CI-58041 provides the scalability to quickly adapt to new PCI Express technologies. It allows you to add serial and parallel connectivity as needed. The complete product line offer many choices help you to expand and make your network grow with your requirements.

## SPECIFICATIONS

### System

Fully Compliant with x1 PCI Express Base Specifications 1.0a

### Serial Ports

The CI-58041 provides 4 DB9-male and 1 DB25-female connectors. Their key benefits are:

- Fully 16C550 and 16C950 UART compatible
- Supports IEEE1284 SPP/EPP/ECP parallel port
- 128-byte High Performance FIFO size
- Baud Rate up to 921.6Kbps
- 5, 6, 7, 8, 9-bit Data Framing
- Automated in-band flow control using programmable Xon/Xoff in both directions
- Automated out-of-band flow control using CTS#RTS# and/or DSR#DTR#
- Provides 5V or 12V over DB9 Connectors

### I/O Hardware

**Serial:** 4 DB9-male Connectors (by cable)

**Parallel:** 1 DB25 Female Connector (by cable)

### OS Support

Windows 95/98, Me, NT, 2000, XP, 2003 and Linux.

### 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

4.72 x 2.60" (12.00 x 6.60cm)