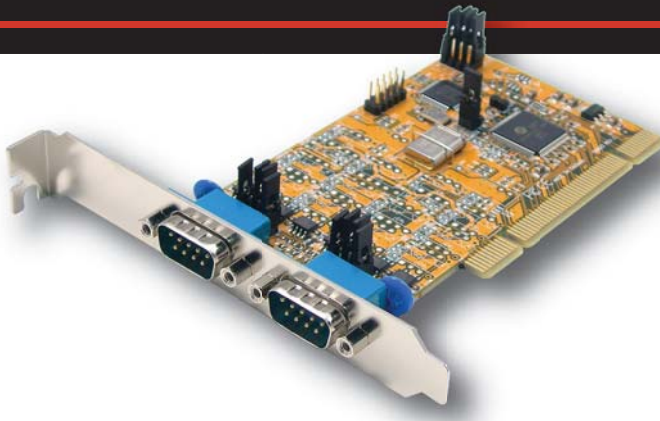


# MSC-102B/MSC-102B-SI

2-Port RS-422/485 Universal PCI Card



## Features

- ▶ Two 16C950 UART Serial Ports over PCI Slot
- ▶ Isolated and 15KV ESD Surge Protection (MSC-102B-SI Model)
- ▶ PCI 32-bit, PIO Mode with 133MB/S Bandwidth
- ▶ Supports RS-485 Auto Transceiver Turn Around by Unique Featured ATTA™ Hardware
- ▶ PCI IRQ Sharing Feature Eliminates IRQ Conflicts
- ▶ 4-wire RS-422/485 and 2-wire RS-485 applications
- ▶ RS-422/485 speed up to 921.6Kbps
- ▶ Supports Windows 95/98/Me, NT, 2000, XP, 2003, Vista, & Linux

## Specifications

### System

For 32-bit 33/66MHZ PCI Bus Systems

### PCI Interface

Fully PCI Bus Specification 2.2 compliant

### Serial Port(s)

2 x DB9-male RS-422/485 Connectors

### Interface

3 modes are selectable:

- 4-wire RS-422 (TXD+/-, RxD+/-)
- 2-wire RS-485 (TXD+/-, RxD+/-)
- 2-wire RS-485 (Data+/-, Data+/-)

### Parity

None, Even, Odd

### Data bits

5,6,7,8,9 bits Data Frames

### Baud Rate

Up to 921.6Kbps

### Terminator

120 OHM, can be Enabled/Disabled by Jumpers

### Isolation Protection (MSC-102B-SI Model)

Optical Isolated

### Surge Protection (MSC-102B-SI Model)

15KV ESD Surge Protection Circuits

### ATTA™

Auto RS-485 Transmitter buffer direction control by the ATTA™ Hardware

### OS Support

Windows 9x, Me, XP, NT, 2000, 2003, Vista, and Linux

### Operating Temperature

0 to 55°C (32 to 131°F)

### Operating Humidity

10% to 90% relative humidity (non-condensing)

### Storage Temperature

-40 to 75°C (-40 to 167°F)

### Storage Humidity

5% to 95% relative humidity (non-condensing)

### Dimensions

4.72" x 2.56" (12.00cm x 6.50cm)

### Warranty

5-Year Warranty

## Ordering Information

MSC-102B	2-Port RS-422/485 Universal PCI Card
MSC-102B-SI	2-Port RS-422/485 Universal PCI Card with Surge and Isolation