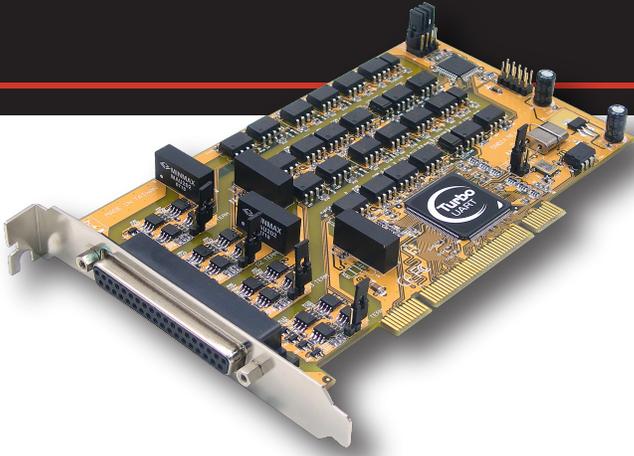


# MSC-104B/MSC-104B-SI

4-Port RS-422/485 Universal PCI Card



## Features

- ▶ Supports Quad 16C950 UART Serial Ports over PCI Slot
- ▶ Isolated and 15KV ESD Surge Protection (MSC-104B-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
- ▶ Supports 128-Byte Deep FIFO
- ▶ Supports Baud Rate up to 921.6Kpbs
- ▶ 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)

4 x RS-422/485 via DB44F Connector

### 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-104B-SI Model)

Optical Isolated

### Surge Protection (MSC-104B-SI Model)

15KV ESD Surge Protection Circuits

### ATTA™

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

### Cable

DB44M to 4\*DB9M

### 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

3.88" x 6.63" (9.84cm x 16.83cm)

### Warranty

5-Year Warranty

## Ordering Information

MSC-104B 4-Port RS-422/485 Universal PCI Card  
MSC-104B-SI 4-Port RS-422/485 Universal PCI Card w/ Surge and Isolation