

# MSC-208C

## 8-Port RS-232/422/485 Combo PCI Express Module Box



### Features

- ▶ Full x1 PCI Express Throughput, 250Mbytes/sec
- ▶ Fully Compliant with PCI Express Base Specifications, Revision 1.1
- ▶ Supports 8 RS-232/422/485 Combo Serial Ports
- ▶ RS-232 Supports 3-wire Signals (TXD, RXD, GND)
- ▶ Supports 4-wire RS-422/485 and 2-wire RS-485 Modes
- ▶ 128-byte deep FIFO per transmitter and receivers
- ▶ Each Serial Port Supports 7-pin Lock-type Terminal Blocks
- ▶ Supports Low Profile Form Factor with Optional Low Profile Bracket
- ▶ Supports Baud Rate up to 921.6Kbps
- ▶ Isolated and 15KV ESD Surge Protection (MSC-208C-SI Model)

### Specifications

#### System

Fully Compliant with x1 PCI Express Base Specifications 1.1

#### Serial Port(s)

8 x 7-pin terminal block connector RS-232/422/485 ports

#### LED

Supports LED Indicators for TXD and RXD Signal Activity

#### Interface

4 modes: 3-wire RS232, 4-wire RS422 (TXD+/-, RxD+/-).  
4-wire RS485 (TxD+/-, RxD+/-). 2-wire RS485 (Data+/-)

#### Parity

None, Even, Odd

#### Data Bits

5, 6, 7, 8, 9-bit Data Framing

#### Speed

up to 921.6Kbps

#### Terminator

120 OHM, can be Enabled/Disabled by DIP switches

#### ATTA™

Auto RS485 Transmitter buffer direction control by the ATTA™ Hardware. Guarantee Fast Turn Around the Transceiver

#### Power

The Module Box can be powered by Cable or its 2-pin Terminal Block Connector

#### OS Support

Windows 2000, XP, 2003, 2008, Vista, Win 7 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

9.68 x 3.37 x 0.91" (24.60 x 8.57 x 2.32cm)

#### Warranty

5-Year Warranty

### Ordering Information

MSC-208C  
MSC-208C-SI

8-Port RS-232/422/485 Combo PCI Express Module Box  
8-Port RS-232/422/485 Combo PCI Express Module Box w/ Isolation and Surge Protection