

# Dual Port PCI RS232/422/485 Interface

## OMG-ULTRACOMM2-PCI



- ✓ Dual Port RS232/422/485 Interface
- ✓ Onboard RS485 Auto Enable Circuit
- ✓ Each Port Designed to Maximize Windows XP/ Vista/7 Communications
- ✓ 16550 Buffered UART std./16650 or 16750 Buffered UART Optional (32 or 64 Byte FIFO)
- ✓ Supports Standard PC Data Rates and “Quad” Data Rates Up to 460.8 kbps
- ✓ Supports All PCI Interrupts
- ✓ Onboard Interrupt Status Port Provides Efficient Interrupt Sharing
- ✓ Compatible with Windows XP/Vista/7, and Other Operating Systems

The OMG-ULTRACOMM2-PCI provides two field selectable RS232/422/485 serial ports for control and automation applications. Configure both ports as RS232 for standard serial COM: port requirements. Choose RS422 for long distance device connections at up to 1219 m (4000') where noise immunity and high data integrity are essential. Multi-drop up to 31 RS485 devices to each port in a RS485 bus for automated data collection.

Mix the interfaces in any of the interface combinations to provide maximum flexibility to your communications.

In both RS232 and RS422 modes, the card works seamlessly with the standard operating system serial driver. In RS485 mode, our auto enable feature enables the RS485 line driver during character transmission and disables the driver afterward allowing the standard COM: driver to be utilized for RS485 communications.



OMG-ULTRACOMM2-PCI shown smaller than actual size.

A serial utility CD is supplied with the OMG-ULTRACOMM2-PCI which includes all the Windows tools necessary to verify the installation and operation of the board. WIN XP/Vista/7 drivers are included as well as support for Linux. The drivers provide IRQ sharing, advanced UART support and serial diagnostic utilities.

### Specifications

**Communications Chip:** 16550

**Number of Ports:**

Two RS232/422/485

**Max. Data Rate:** 460.8 kbps

**Max. Data Distance:**

up to 1219 m (4000') (RS422/485)

**Operating Temperature:**

-18 to 50°C (0 to 122°F)

**Storage Temperature:**

-20 to 70°C (-4 to 158°F)

**Humidity Range:** 10 to 90% RH

**Current Specifications:**

+5V @ 480 mA, ±12V @ 50 mA

**Connector(s):** (2) DB-9P

**Dimensions:**

12.70 L x 10.67 H cm (5.0 x 4.2")

### To Order

Model No.	Description
OMG-ULTRACOMM2-PCI	Dual port RS232/422/485 interface
OMG-ULTRACOMM2-PCI-16650	Dual port RS232/422/485 interface w/16650 UART upgrade
OMG-ULTRACOMM2-PCI-16750	Dual port RS232/422/485 interface w/16750 UART upgrade