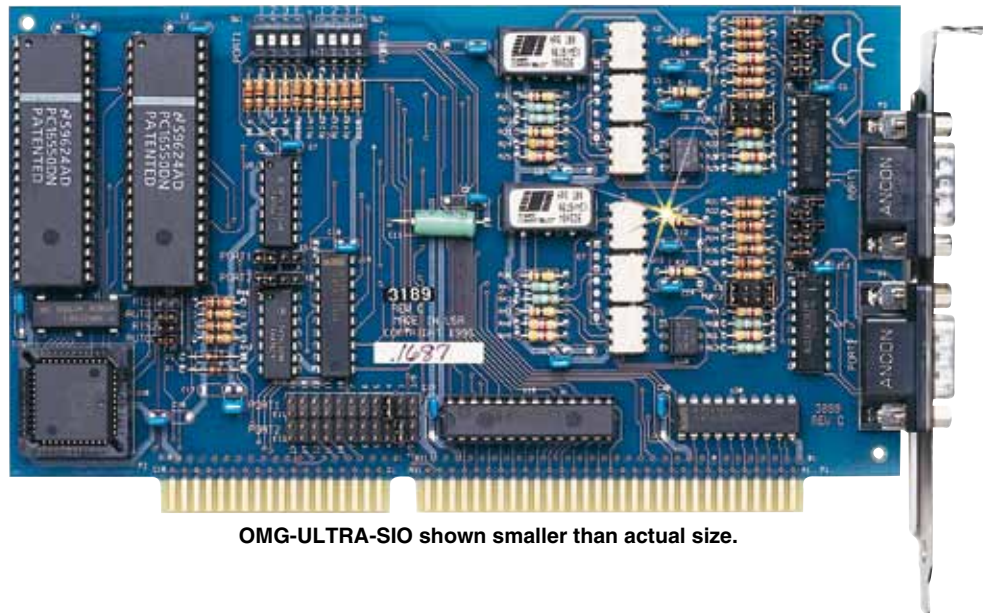


# Dual Port Isolated/Non Isolated ISA RS422/485 Adapter

## OMG-ULTRA-SIO



- ✓ True Isolation Between Ports Providing 500 Vdc Isolation (OMG-ULTRA-SIO-I)
- ✓ Automatic Control of RS485 Driver Enable (No Special Software Required)
- ✓ Selectable COM: Port Address
- ✓ Selectable and Sharable IRQ (2-7, 10-12, 14 and 15)
- ✓ Compatible with Existing Communication Drivers
- ✓ 16-Bit Addressing Eliminates I/O Conflicts
- ✓ 16550 Buffered UART Standard/Full Array of Advanced UARTS Available
- ✓ Selectable Termination, Echo Mode, Two/Four Wire Operation
- ✓ DB-9P Connectors Providing TD, RD, RTS and CTS
- ✓ Includes Windows Advanced COM Drivers and Help Files to Simplify Installation



OMG-ULTRA-SIO shown smaller than actual size.

Individually selectable addresses and extended "AT" interrupts allow for seamless integration into Windows and OS/2 systems. The OMG-ULTRA-SIO appears to the host system as a standard COM: port requiring no special drivers or additional software.

### Software

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.

**Max. Data Rate:** 115 kBPS

**Max. Data Distance:**  
Up to 1524 m (5000')

**RS485 Operation:** Two or four wire

**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:**  
OMG-ULTRA-SIO; +5V @ 440 mA;  
OMG-ULTRA-SIO-I; ±5V @ 600 mA

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

**Physical Dimensions:**  
18.67 L x 10.67 H cm (7.35 x 4.2")

The OMG-ULTRA-SIO provides the PC with two isolated RS422/485 Asynchronous links to data collection and other devices. Isolation is important in installations where the equipment connected to the PC is either located far from the host system, or on a different power transformer circuit. The optical isolation feature of the OMG-ULTRA-SIO-I eliminates the risk of ground loop current, a commonly neglected and misunderstood phenomenon which leads to data errors and destruction of communications equipment.

### Specifications

**Communications Chip:**  
16550 UART

**Number of Ports:**  
Dual RS485/422

**Isolation:** True 500 Vdc isolation (OMG-ULTRA-SIO-I only)



OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labor and equivalent loaners.

### To Order

Model No.	Description
OMG-ULTRA-SIO	Dual port non-isolated RS422/485 interface
OMG-ULTRA-SIO-I	Dual port isolated RS422/485 interface

Comes complete with operator's manual and serial utility CD.

**Ordering Example:** OMG-ULTRA-SIO-I dual port isolated RS422/485 interface and OCW-1 OMEGACARE<sup>SM</sup> 1-year extended warranty (adds 1 year to standard 1 year warranty).