Isolated RS-232/422/485 Interface
For IBM PC/XT/AT and Compatibles

NEW™
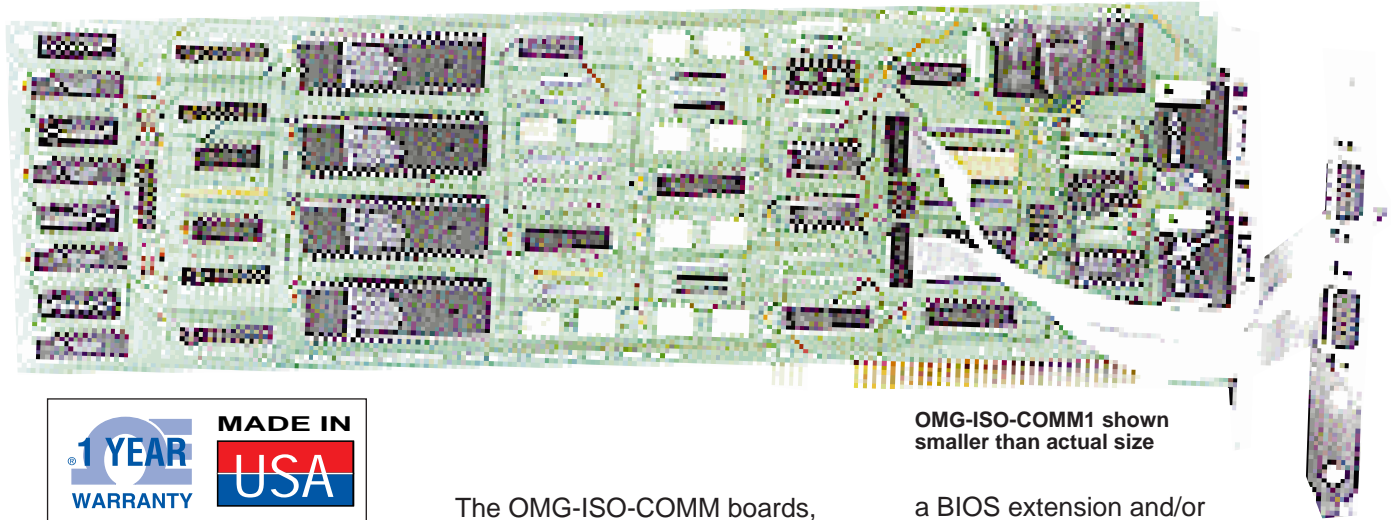
OMG-ISO-COMM1 shown smaller than actual size

1 YEAR WARRANTY

MADE IN USA

IBM PC

SERIAL I/O

OMG-ISO-COMM Series
$334
Basic Unit

- ✔ **Two/Four Independent RS-232/422/485 Interfaces**
- ✔ **Reliable Communication up to 5000 ft**
- ✔ **Selectable Address (Including COM1 through COM4 or Any Other) for Each Port, Address up to 3FF hex**
- ✔ **Individually Selectable Interrupts for Each Port: 2–7, 10–12 and 15 on the "AT"**
- ✔ **2 or 4-Wire Operation**
- ✔ **DB-9 Male Shielded Connectors**
- ✔ **16550 Buffered UARTs Included**
- ✔ **Includes Driver Software**
- ✔ **Microsoft Windows Compatible**

The OMG-ISO-COMM boards, available in 2 and 4 channel models, are isolated asynchronous serial communication cards that utilize balanced differential drivers and receivers to provide RS-422 and RS-485 communication. These cards are capable of providing up to 500 V dc of isolation for protection against ground loop current. Distances of 5000 ft. in noisy industrial environments are easily accommodated. Signals are transmitted and received via individual 9-pin sub-D connectors. The cards are also capable of RS-232, for applications requiring shorter distances and RS-232 compatibility. The OMG-ISO-COMM cards are plug-in cards based on the 16550 FIFO buffered UART, which is compatible with the standard 8250. Bit character lengths of 5, 6, 7 or 8, and odd, even or no parity are all available.

For those users creating their own DOS based programs, the OMG-COMM8 includes a serial communication software driver which provides fully buffered interrupt driven input and output to multiple asynchronous serial communication ports. The driver is a BIOS extension and/or replacement that provides extended capabilities in the form of block I/O and user configurable flow control support in addition to emulating standard BIOS interrupt 14h calls . The Driver supports C, C++ and BASIC.

Specifications
Communications Chip: 16550 UART

Number of Ports: four or two port RS-232/422/485

Max Data Rate: 115K bps (RS-422/485)

Max. Data Distance: up to 100ft RS-232; up to 5000ft RS-422/485

Operating Temperature: 0-50°C

Storage Temperature: -20-70°C

Humidity Range: 0-90% R.H.

Isolation Level: 500V DC

Baud Rate: 50 to 115,200 Baud

Clock Input: 1.8432 MHz

Slot: 16-bit card, full size slot

I/O Connector: 9-pin sub-D

Power Consumption: OMG-ISO-COMM3: 450 mA, +5 Vdc; OMG-ISO-COMM1: 880 mA, +5 Vdc

To Order *(Specify Model Number)*

Model No.	Price	Description
OMG-ISO-COMM3	**$334**	2-port isolated RS-422/485 with RS-232 chips
OMG-ISO-COMM1	439	4-port isolated RS-422/485 with RS-232 chips

Comes complete with operator's manual and software driver.
Ordering Example: *OMG-ISO-COMM1 four-port RS-422/485 interface, **$439.***