

# OMG-CONV-485 RS-232 to RS-422/485 Converter



OMG-CONV-485

**\$109**

Basic Unit

- ✓ Supports Data Rates up to 115.2K bps
- ✓ Isolated and Non-Isolated Models
- ✓ RS-422 Full Duplex Support
- ✓ RS-485 Full or Half Duplex Master and Slave Support
- ✓ RS-485 Modes Supported Include Auto Baud, RTS, Data Enable, and Always Enable
- ✓ Selectable 120 Ohm Line Termination and 1K Pull Up/Pull Down Biasing
- ✓ Onboard LEDs Illuminate for Transmit and Receive
- ✓ Includes RTS Control Driver Software to Simplify RS485 Communications in Windows

The OMG-CONV-485 interface converter allows a standard RS-232 port to communicate with an individual RS-422 device or with multiple devices within an RS-485 network. The OMB-CONV-485 supports RS-422 full duplex mode as well as RS-485 full or half-duplex master and slave modes. This gives the user flexibility in configuring the device to meet their specific application needs. Onboard LED's are included to indicate that the device is properly powered and also illuminate when the device is transmitting and receiving to assist in verifying acceptable communications. A six-position screw terminal block on the board provides connection to external devices. Provisions for strain relief are made within the case by a cable clamp/screw combination. This eliminates unwanted wire disconnects once the screw terminals are wired.



The OMB-CONV-485-ISO is an isolated version of the OMB-CONV-485. 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. Isolation on the OMB-CONV-485-ISO eliminates the effects of ground loop current, a commonly neglected and misunderstood phenomenon that leads to data errors and the destruction of communications equipment.

The Auto Baud feature allows the device to operate without the

presence of RTS software. This reduces system overhead and allows the OMB-CONV-485 to operate flawlessly regardless of the operating system.

## Specifications

**Number of Ports:** 1

**Max. Data Rate:** 115.2K

**Max. Data Distance:** up to 4000 ft

**Operating Temperature:** 0 to 50°C (32 to 122°F)

**Storage Temperature:** -20 to 70°C (-4 to 158°F)

**Power:** from AC adaptor

**Connector(s):** DB25S (female) to 6 position screw terminal (TX±, RX±, ground and shield)

**Dimensions:** 9.65 cm L x 5.84 cm W x 2.54 cm H (3.8 x 2.3 x 1.0")

<b>To Order (Specify Model Number)</b>		
<b>Model Number</b>	<b>Price</b>	<b>Description</b>
OMG-CONV-485	\$109	RS-232 to RS-422/485 converter
OMG-CONV-485-ISO	129	Isolated RS-232 to RS-422/485 converter
OMG-CONV-485-EC	129	RS-232 to RS-422/485 converter with European AC adaptor
OMG-CONV-485-ISO-EC	149	Isolated RS-232 to RS-422/485 converter with European AC adaptor
OMG-CONV-485-UK	129	RS-232 to RS-422/485 converter with UK AC adaptor
OMG-CONV-485-ISO-UK	149	Isolated RS-232 to RS-422/485 converter with UK AC adaptor
OMG-CA177	8	DB9F/25M 6 ft cable
OMG-CA104	8	DB25F/25M 6 ft cable

All OMG-CONV-485 converters include RTS control software and a complete user's manual on CD ROM and an AC adaptor. **Ordering Example:** OMG-CONV-485-ISO isolated converter and OMG-CA177 cable, \$129 + 8 = \$137.

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