

RS232 to RS422/485 Converter

OMG-CONV-485



OMG-CONV-485, shown smaller than actual size.

- ✓ Supports Data Rates up to 115.2K bps
- ✓ Isolated and Non-Isolated Models
- ✓ RS422 Full Duplex Support
- ✓ RS485 Full or Half Duplex Master and Slave Support
- ✓ RS485 Modes Supported Include Auto Baud, RTS, Data Enable, and Always Enable
- ✓ Selectable 120 Ω 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 RS232 port to communicate with an individual RS422 device or with multiple devices within an RS485 network. The OMG-CONV-485 supports RS422 full duplex mode as well as RS485 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 OMG-CONV-485-ISO is an isolated version of the OMG-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 OMG-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 OMG-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 1219 m (4000')
- 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")

To Order

Model No.	Description
OMG-CONV-485	RS232 to RS422/485 converter
OMG-CONV-485-ISO	Isolated RS232 to RS422/485 converter
OMG-CONV-485-EC	RS232 to RS422/485 converter with European AC adaptor
OMG-CONV-485-ISO-EC	Isolated RS232 to RS422/485 converter with European AC adaptor
OMG-CONV-485-UK	RS232 to RS422/485 converter with UK AC adaptor
OMG-CONV-485-ISO-UK	Isolated RS232 to RS422/485 converter with UK AC adaptor
OMG-CA177	DB9F/25M 6 ft cable
OMG-CA104	DB25F/25M 6 ft cable

Comes complete with 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.