

USB to RS485/422 Isolated Converter
Part no. U485G



This industrial grade isolated USB to serial RS485/422 converter easily adds a RS485/422 serial port to your desktop or laptop, for general office, commercial and industrial use. Serial outputs are automatically configured as additional COM ports. This converter is built around a quality FTDI processor chip which makes it the ideal choice for applications where reliability and performance is critical. Optical protection against high voltage surges, ground loops and spikes gives you reliable data transfers and protects the converter and your equipment from damage. DIN rail mount makes installation easy.

Pin no.	RS485 Screw terminal	RS422 Screw terminal
1	D+	
2	D-	
3		TX+
4		TX-
5		RX+
6		RX-
7	Signal GND	Signal GND
8	GND	GND

Note: Only one U485G unit per computer is recommended.

To access technical support, please visit the U.S. Converters website at:
www.USconverters.com
Here you will find:

- Latest drivers and updates for download
- Technical tips
- Documentation
- Configuration support
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Feel free to contact our technical support team at mail@usconverters.com with any issues.

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SPECIFICATIONS	
Model number	U485G
Operating system	Windows 98Se, ME, 2000, XP32/64, Vista 32/64, Server 2003/8 32/64, Windows 7 32/64, Windows 8 32/64, Mac and Linux
Indication LED lights	Power, TX and RX
Baud rate	300 – 1Mbps, auto detection
Power	Port-powered from USB port
Chipset	FTDI
Terminal resistor	Built-in manual switch
RS485 / RS422	Built-in manual switch
Isolation	700V continuous, 3500 pulse
Interface	RS485/422 screw terminals USB: Male type A
RS485 signals	D+, D-, GND
RS422 signals	R+, R-, T+, T-, GND
USB signals	VCC, DATA+, DATA-, GND, FG
Installation	35mm DIN rail mount / screws
Flow control	Automatic, No IRQ Conflicts, no IRQs, IO or DMA required
Current draw	<100mA
Standards	Serial: EIA/TIA RS-485/422C USB: v1.0, 1.1, 2.0
ESD protection	400w/ms
Certifications	CE, FCC, RoHS
Operating Temp.	-20 to 70°C
Operating humidity	5% To 95% - No Condensation
Dimensions	85 x 55 x 25 mm
Warranty	5-year Limited Warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050

Application example, RS485 point-to-point:

