

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

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Feel free to contact our technical support team at [mail@usconverters.com](mailto:mail@usconverters.com) with any issues.

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SPECIFICATIONS	
Model number	U485G
Operating system	<ul style="list-style-type: none"> <li>• Windows 11, 10, 8.1, 8 (32/64-bit), Windows Server 2016, Windows Server 2012 / R2, Windows 7 (32/64-bit), Windows Server 2008 R2, Vista (32/64-bit), Windows Server 2008 (32/64-bit), XP, Windows Server 2003 (32/64-bit), 2000, (all WHQL compliant). Windows RT as D2XX drivers only.</li> <li>• Windows CE v4.2 - 5.2, 6.0, 7.0 and 2013 including: Windows Mobile 2003, 2003 SE, Windows Mobile 5, 6, 6.1 and 6.5</li> <li>• Linux (built into kernel 3.0.0-19 and above)</li> <li>• Mac OS 8, OS 9, OS X 10.3 to 10.9 and above</li> <li>• Android</li> </ul>
Indication LED lights	Power, TX and RX
Baud rate	300 – 1Mbps, auto detection
Power	Port-powered from USB port
Chipset	FTDI FT232BL
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, 3.0
ESD protection	400w/ms
Certifications	CE, FCC, RoHS
Operating Temp.	-13°F to 158°F (-25°C to 70°C)
Operating humidity	5% To 95% - No Condensation
Dimensions	85 x 55 x 25 mm
Warranty	1-year Limited Warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050

Application example, RS485 point-to-point:

