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ELECTRONICS

USB to RS232 / RS485 / RS422
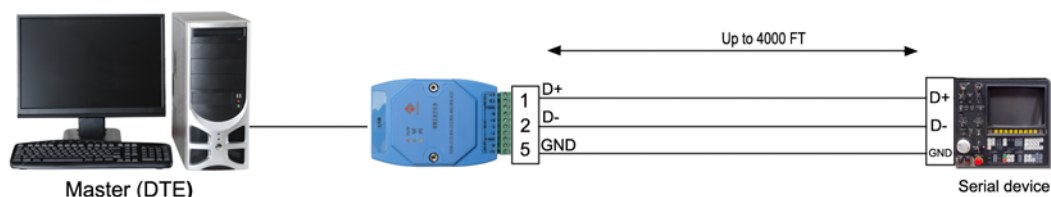Industrial Isolated Converter
Part no. MWE820B

The MWE820B is an industrial strength very solid and reliable isolated USB to Serial Converter with RS232 / RS422 / RS485 interfaces that require no external power supply. With its standard DIN rail mount and screw terminals it is a great choice for industrial and commercial applications for general use at point-to-point or point-to-multipoint networks.

This USB to Serial converter is build around the high performance industry proven reliable CP2102 processor from Silicon Labs.

Optical isolation is achieved by high speed 6N137 isolation optocouplers from Fairchild Semiconductors, which effectively protects your equipment against all types of high voltage spikes, surges and static electricity.

Another nice feature is that this converter is stackable, meaning you can mount as many units on top of each other as you want, which will save you space on the DIN rail.

Application example: Extending communication distance with RS485

Master (DTE)

Up to 4000 FT

Serial device

Screw Terminal	RS485	RS422	RS232
1	D+		
2	D-		
3	GND	GND	GND
4		TX+	
5		TX-	
6		RX+	
7		RX-	
8	GND	GND	GND
9			TX
10			RX

Please download drivers for this product at:

www.USconverters.com

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
- and much more…

Feel free to contact our technical support team at mail@usconverters.com with any issues.

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SPECIFICATIONS	
Model number	MWE820B
Operating system	• Windows 10, 8.1, 8 (32/64-bit), 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. • 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 • Linux (built into kernel 3.0.0-19 and above) • Mac OS 8, OS 9, OS X 10.3 to 10.9 and above • Android
Indication LED lights	Power, TX, RX
Baud rate	300-921,600bps
Chipset	Silicon Labs CP2102
Power	Port-powered
Current	< 20mA
Interface	Screw terminal 1 x RS232/485/422
Cable	USB extension cable included
USB	USB 1.1, 2.0 compliant
Isolation	700V continuous and 3500V spike
ESD protection	15KV, 600W/ms
Standards	EIA/TIA RS-232/485/422
Installation	35mm standard DIN rail / screws
Handshake / flow control	Automatic Send Data Control
Certifications	CE, FCC, RoHS ISO 9001 Certified
Operating Temp.	-40°C to 85°C
Operating humidity	5% To 95% - No Condensation
Warranty	1-year Limited Warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050