

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



MWE820B is an industrial strength optically isolated USB to RS232 / RS422 / RS485 converter that requires no external power supply. With its standard DIN rail mount and optional screw terminals it is a great choice for industrial and commercial applications and for general use where isolation against high voltage spikes and surges is critical.

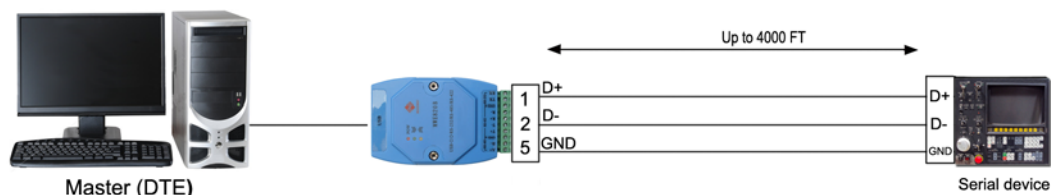
Screw Terminal	RS485	RS422	RS232
1	D+		
2	D-		
3	GND	GND	GND
4		TX+	
5		TX-	
6		RX+	
7		RX-	
8	GND	GND	GND
9			TX
10			RX

**Please download drivers for  
this product at:**

**[www.USconverters.com](http://www.USconverters.com)**

SPECIFICATIONS	
Model number	MWE820B
Operating system	Windows 98Se, ME, 2000, XP32/64, Vista 32/64, Server 2003/8 32/64, Windows 7 32/64, Windows 8 32/64, Win CE, Mac and Linux
Indication LED lights	Power, TX, RX
Baud rate	300 - 115200bps
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	5-year Limited Warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050

Application example: Extending communication distance with RS485



To access technical support, please visit the U.S. Converters website at:  
[www.USconverters.com](http://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](mailto:mail@usconverters.com) with any issues.

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