485USBTB-2W & 485USBTB-4W
USB to RS-485 Mini-Converter

✓ **Connect RS-485 Devices to your USB Port**

✓ **Perfect for Field Service Applications**

✓ **Small – Fits easily into any laptop bag**

✓ **USB Port Powered**

✓ **USB 2.0 (12 Mbps) Compatible**

✓ **RS-485 Data rates up to 921.6 Kbps**

✓ **Removable Terminal Block for Easy Wiring**

✓ **High Retention USB Connector**

✓ **Supports Windows 98, ME, 2000, XP, Vista, Win7 32 & 64 bit**

Universal Serial Bus (USB) has become the connectivity workhorse of today's PCs, replacing the familiar serial ports. However, many commercial and industrial devices still use the RS-485 interface. To connect these devices to modern PCs, you need a simple and reliable conversion solution. The 485USBTB-2W and 485USBTB-4W offer this solution in a space saving, USB Port powered package. Simply plug the converter into an available USB port on your computer or USB hub and install the drivers supplied on CD ROM. The device will show up as an additional COM port in the Windows Device Manager which is fully compatible with your Windows applications. Select the 485USBTB-2W for RS-485 2-wire applications or the 485USBTB-4W for RS-485 4-wire applications. Locked serial number versions are also available (see the installation notes in the driver section). A one meter USB cable is included.

Specifications

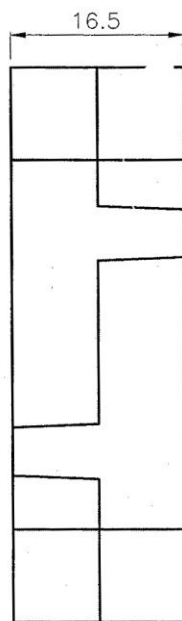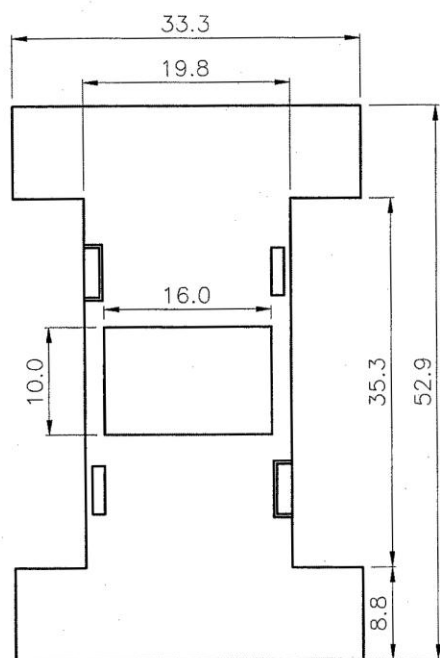| Serial Technology	
RS-485 2-Wire	Data A(-), Data B(+), Ground
RS-485 4-Wire	TDA(-), TDB(+), RDA(-), RDB(+), Ground
Connector	Removable Terminal Block (28 to 16 AWG)
Data Rate	Up to 921.6 Kbps
USB Technology	
Connector	USB Type B Female (High Retention)
Standard	2.0 (Backward Compatible)
Data Rate	12 Mbps
Power	
Source	USB Port
Input Voltage	5 VDC
Consumption	~ 0.5 W (Low power device, draws less than 100 mA)
Software	
Driver CD	Windows 98, ME, 2000, XP, Vista
Mechanical	
Dimensions	2.6 x 1.3 x .6 in (6.5 x 3.2 x 1.6 cm)
Enclosure	In-line mounted, plastic
Weight	0.23 lbs (104.3 g) with USB Cable
Environmental	
Operating Temp	32 to 158°F (0 to70 °C)
Storage Temp	-40 to 185 °F (-40 to 85 °C)
Op Humidity	0 to 95 % (Non-condensing)
MTBF	1869313 hours
MTBF Method	Parts Count Reliability Prediction
Regulatory	
Approvals	FCC, CE

Ordering Information

Model Number	Description
485USBTB-2W	USB to RS-485 2-Wire Converter
485USBTB-4W	USB to RS-485 4-Wire Converter
485USBTB-2W-LS	USB to RS-485 2-Wire Converter (Locked Serial Number)
485USBTB-4W-LS	USB to RS-485 4-Wire Converter (Locked Serial Number)
Accessories	
USBAMBM-3F	3 ft (1 M) USB Cable (One Included)
7372	Replacement TB (One Included)

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PRODUCT INFORMATION

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Certifications

Test	Description		Test Level	Level
IEC 61000-4-2	ESD	Contact	±8kV	±8kV
		Air	±15kV	±15kV
IEC 61000-4-3	Radiated Immunity		3 v/m	3 v/m
IEC 61000-4-4	Burst (Fast Transient)	Serial	±500	±500
		USB	±500	±500
IEC 61000-4-6	Induced (Conductive) RFI	Serial	3 V RMS	3 V RMS
		USB	3 V RMS	3 V RMS
EN 55022/CISPR 22	Emissions		3 meters	Class B

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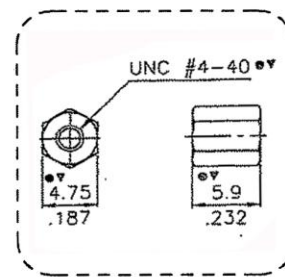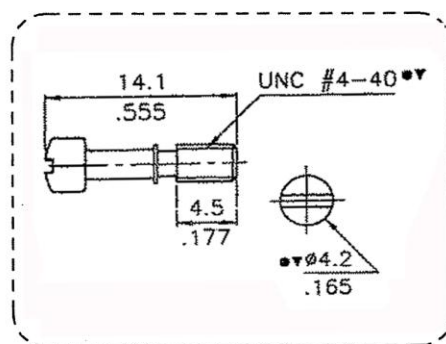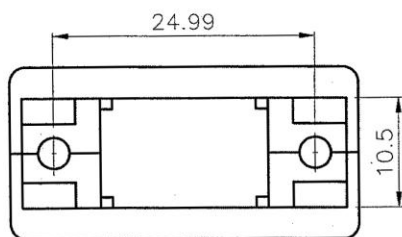
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