Isolated USB 2 or 4 Port RS-422/485 Converters USOPTL4-2P & USOPTL4-4P





PRODUCT FEATURES

- Connect Multiple RS-422/485 Devices to Your USB Port
- 2000 V RMS Port-to-Port Optical Isolation
- · 15 KV ESD Surge Protection
- USB Port Powered or External Power
- Supports USB 2.0 (backward compatible)
- High-Retention USB Port Connectors Ensure Reliable Connection
- RS-422/485 Data Rates Up to 921.6 kbps
- LEDs Indicate Data Flow on Serial Ports
- Removable Terminal Blocks on Serial Ports Make Wiring Easy
- Automatic Configuration on Windows 2000, XP, Vista, 7 (32/64 bit)

Connect RS-422 and RS-485 (2-wire and 4-wire) devices to a USB port and gain 2000 V RMS isolation from voltage spikes and ground loops.

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-422/485 interface. To connect these devices to modern PCs and provide protection from electrical transients, you need a simple and reliable conversion solution.

The USOPTL4-2P and USOPTL4-4P offer this solution and are great for any application that requires long range or multi-drop capabilities. Both models offer a high retention USB interface, removable terminal blocks on the serial side and have LED's to indicate data flow. 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 additional COM ports in the Windows Device Manager, which are fully compatible with your Windows applications. A one meter USB cable is included.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
USOPTL4-2P	Isolated USB to 2 Port RS-422/485 Converter
USOPTL4-4P	Isolated USB to 4 Port RS-422/485 Converter

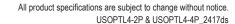
ACCESSORIES

USBAMBM-3F - 3 ft. (1 m) USB Cable (one included)

USBAMBM-6F - 2 m (6 ft.) USB Cable

MDR-20-24 - DIN Rail Mount, 24 VDC, 1 A Power Supply

12DC1AST - DC Power Supply, Unregulated 12VDC@1000mA





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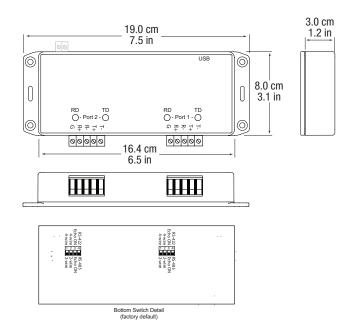


SPECIFICATIONS

Removable Terminal Blocks		
921.6 kbps (maximum)		
2000 V (Port-to-Port) Optical		
15 KV ESD		
USB TECHNOLOGY		
USB Type B Female, High Retention Withdrawal > 15 N		
1.1 and 2.0 Compatible		
12 Mbps		
USB Port or External Source		
5 VDC from USB Port or 10 - 30 VDC External Power Supply		
Higher Power Device (>100 mA) USOPTL4-2P: 3 Watts, External Power Supply USOPTL4-4P: 5 Watts, External Power Supply		
Windows 2000, XP, Vista, 7 (32/64 bit)		
16.4 x 3.0 x 8.0 cm (6.5 x 1.2 x 3.1 in) without Flanges 19.0 x 3.0 x 8.0 cm (7.5 x 1.2 x 3.1 in) with Flanges		
2 Port 0.75 lbs (340.2 g), 4 Port 0.80 lbs (362.9 g)		
32 to 158 °F (0 to 70 °C)		
-40 to 185 °F (-40 to 85 °C)		
0 to 95% (Non-condensing)		
125224 hours		
72749 hours		
Parts Count Reliability Prediction		

DIP SWITCH LEGEND		
Position	OFF	ON
1	RS-422	RS-485
2	Echo ON	Echo OFF
3	4-Wire	2-Wire
4	4-Wire	2-Wire
Factory default = all switches off		
TERMINAL BOARD LAYOUT		
TB Position	Signal Name	
1	TDA(-)	
2	TDB(+)	
3	RDA(-)	
4	RDB(+)	
5	Ground	

MECHANICAL DIAGRAM - USOPTL4-2P



MECHANICAL DIAGRAM - USOPTL4-4P

