

USB to RS485/422 Converter - Pro

Part no.: XS890



- Port powered from USB port
- Baud rates from 300bps to 3Mbps
- RS485 and RS422 capabilities
- FTDI FT232RL processor
- Electrostatic protection
- Indication lights for Power, RX and TX
- Ferrite core for RF noise protection

Professional grade high performance USB to RS485 / RS422 converter. If you simply want the best and need a USB to RS485 / RS422 converter which is compatible with all operating systems, including Windows 7 64-bit and Mac OS-X, and the majority of serial devices then the XS890 is what you need.

This converter is the top of the crop, and we are so confident that it will work with your system that we are offering a 30-day full refund guarantee if you for any reason can't make it work.

What makes this USB to RS485 / RS422 converter so great is the design and architecture of the circuit board with the FL232BL processor chip in conjunction with a Exar SP485E output chip; two high performance and very reliable chips.

As most of our other USB converters the XS890 is powered through the USB port so no additional power supply is required. It has bi-directional RS485 and RS422 communication with up to

600W protection against electrostatic electricity on all wires which efficiently will protect the converter, your equipment and data communication against high voltage spikes and surges.

The circuitry automatically determines if RS485 or RS422 is connected to the converter, you don't need to set any jumpers or switches, simply connect your wires and you are ready to roll.

One other advantage of this converter is that it has indication LED lights for the TX and RX wires, indicating when data is present. This not only making it easy to see when communication is present but also makes troubleshooting easier.

After installing the included virtual COM drivers the created COM port will automatically show up in your operating system's Device Manager where it can be accessed as if it was a standard serial COM port. The driver software allows you to adjust multiple COM port settings such as data latency, time-outs, COM port number etc.

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PRODUCTS

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Specifications

SPECIFICATIONS	
Model number	XS890
Recommended operating system	<ul style="list-style-type: none"> Windows 10 32/64, Windows 8 32/64, Windows 7 32/64, Vista 32/64, XP 32/64, Server 2003/8R2 32/64, 2000, ME, 98Se Linux Mac OS 8, OS 9, OS X Windows CE.NET (Version 4.2 and greater) Android
Baud rate	300-3Mbps, auto detection
Power	Port powered from USB port
RS485 / RS422 interface	DB9 male + optional screw terminal header
USB interface	Male type A
Cable length	3 feet (1 meter)
Chipset	FT232BL
Parity	None, Odd, Even, Mark, Space
Data bits	7, 8
Stop Bits	1, 2
Flow Control	None, Xon/Xoff, Hardware
Indication LEDs	TX, RX and Power
Buffer size	128/385 Bytes
Serial signals	RS422: TX-, TX+, RX-, RX+, GND (full duplex) RS485: D-, D+ GND (half duplex)
USB signals	VCC, DATA+, DATA-, GND, FG
Flow control	Automatic. No IRQ Conflicts, no IRQs, IO or DMA required
Current draw	Static less than 80mA, dynamic average consumption less than 150mA
ESD electrostatic protection	15KV / 600W/ms
Operating humidity	5% To 95% - No Condensation
Operating Temp.	-40 to 85C
Certifications	CE, FCC, RoHS
Warranty	2-year Limited Warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050

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Connection table

Pin no.	RS485 DB9 Male	RS422 DB9 Male	Terminal header
1	D+	TX+	T/R+
2	D-	TX-	T/R-
3		RX+	RXD+
4		RX-	RXD-
5	GND	GND	GND
6			VCC
7			
8			
9			

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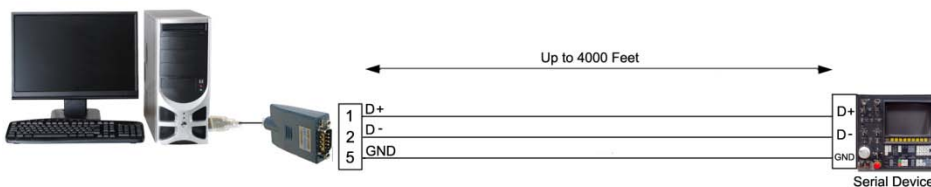
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Connection example: extending communication distance with RS485



Please download drivers and driver installation instructions for this product at:

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