USB-RS485

Electrically isolated
USB - RS485 converter

The USB485-STISO/STIXL is a 2 wire half duplex RS485 converter, that performs automatic receive / transmit switching, being default in receive mode, and when transmitting data, it automatically switches to transmit mode 1 bits time before the startbit, sending the data, and then falls back to receive mode 1 bbit time after the last stopbit have been transmitted.

Unlike most converters, the USB485-STISO/STIXL have a 2.5kV isolation barrier that ensures a high quality electrically separation between the PC and remote device, thus offering excellent protection of the PC if the remote device should fail.

Easy to install - easy to use.
Just connect it, install the drivers, and use it like any other comport in the PC.

RS485 specs

• Powerful RS485, able to drive 256 nodes
• ±15 kV ESD protection on RS-485 pins
• No termination resistor
• Fail safe

USB-RS485 series

Hardware details	STISO	STIXL
Terminals	Small terminals 2.5 mm space	Larger terminals 3.5 mm space
Visual indicators (Leds)	2 (Rx and Tx)	
Speed	up to 1Mbps	
Isolation voltage	2.500 Vrms / 1 minute	
Power	Powered from the PCs USB port	
Operating temperature	0 to 70°C	

› USB 2.0 full speed device
› Virtual comport drivers
› Windows- 8, 7, Vista and XP compatible
› Modbus capable

Comport specs

Baudrates	300, 600, 1200, 1800, 2400, 4800, 7200, 9600, 14400, 19200, 38400, 57600, 115200, 230400, 460800, 921600 Bps
Startbits	1
Databits	7,8
Parity	None, even, odd, mark, space
Stopbits	1,2
Flowcontrol	Auto
Buffers	128 bytes Rx and 256 bytes Tx fifo

Mechanical details

Height	14 mm
Width	23 mm
Length	66 mm
Weight	15 gr