Hjelmslund Electronics

Phone : +45 5150 4986 E-mail : Electronics@ Hjelmslund.dk

Address : Frederiksborgvej 135, DK-2400 Copenhagen NV, Denmark

Product sheet: USB485-STI4W
Date: August 2011
Rev: 1.0

Electrically isolated RS485/422 converter

The USB485-STI4W is a 4 wire RS485 / RS422 full duplex converter, with the receiver always enabled, and with the transmitter enabled only while sending data, hence possible to use not only as master, but also as slave in multipoint systems.

Other configurations available on request.

Unlike most converters, the USB485-STI4W 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.

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.

RS485 specs

- Powerful RS485, able to drive 256 nodes
- ±15 kV ESD protection on RS-485 pins
- Drive voltage (load 47 ohm~256 nodes): ± 4 V
- Drive voltage (load 100 ohm): ± 5 V
- Drive voltage (load 12k ohm~1 node): ± 6 V

- **Modbus capable**
- **USB 2.0 full speed device**
- **Virtual comport drivers**
- **Win-7, Win Vista and Win XP compatible**

Hardware details

- Connection: Screw terminals - 2.5mm 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

Mechanical details

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

Commercial details

- Order : **USB485-STI4W**

- Price(2011) : **EUR 70** @1
EUR 63 @10
EUR 47 @100