Hjelmslund Electronics

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

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

Product sheet: USB485-ILP
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Low profile panel mount RS485 converter

The USB485-ILP is a RS485 2 wire half duplex converter for through hole panel mount.

The USB485-ILP is a 2.5kV isolated converter, intended for use in cabinets to provide easy access to internal RS485 connections through an external USB port, hence enabling easy RS485 monitoring / debugging with a standard PC.

The RS485 side is a 2 wire connection (D+ D- and Gnd) with a 3 pin screw terminal for wires up to 1 mm^2 (AWG 17).

Connections

Pin 1 D+
Pin 2 Gnd
Pin 3 D-

Comport specs

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

- **USB 2.0 full speed device**
- **±15 kV ESD protection on RS-485 pins**
- **Virtual comport drivers**
- **Win-7, Vista and XP compatible**

Hardware details

- Powerful RS485, able to drive 256 nodes
- ±15 kV ESD protection on RS485 pins
- Connection: Screw terminal – 3.5mm pitch
- Speed : up to 1Mbps
- Isolation voltage: 2.500 Vrms / 1 minute
- Power : Powered from the PCs USB port
- Operating temperature : 0 to 85°C

Mechanical details

Recommended panel cut-out : Ø 25 mm
Max panel thickness : 6 mm
Weight 30 gram

Commercial details

- Order : **USB485-ILP**

- Price(2012) : **EUR 70** @1
EUR 63 @10
EUR 47 @100

Cable version available upon request.