Hjelmslund Electronics

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

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

Product sheet: USB485-GISO
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Panel mount RS485 converter

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

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

The RS485 side is a 2 wire connection (D+ D- and Gnd) with screened cable (screen internally connected to RS485 side Gnd).
The standard cable length is 40cm but other lengths can also be ordered.

Connections

D+	Green
D-	Brown
Gnd	White

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.

- **Modbus capable**
- **USB 2.0 full speed device**
- **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: Screened cable, various lengths.
- 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

Commercial details

- Order : **USB485-GISO (40 cm cable)**

- Price(2012) : **EUR 75** @1
EUR 68 @10
EUR 54 @100

For non-standard cable lengths, add EUR 2 / meter.