

Product sheet: USB232-ILP

Date: February 2014

Rev: 1.1

Low profile panel mount RS232 converter

The USB232-ILP is a USB to RS232 null-modem converter for through-hole panel mounting.



The USB232-ILP is a 2.5kV isolated converter, intended for use in cabinets to provide easy access to internal RS232 connections through an external USB port.

The RS232 side features a 3 pin screw terminal for wires up to 1 mm² (AWG 17).

RS232 drive capability

± 10V swing @100KOhm load

± 7V swing @1KOhm load

Connections

Pin 1 TxD

Pin 2 RxD

Pin 3 Gnd

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.

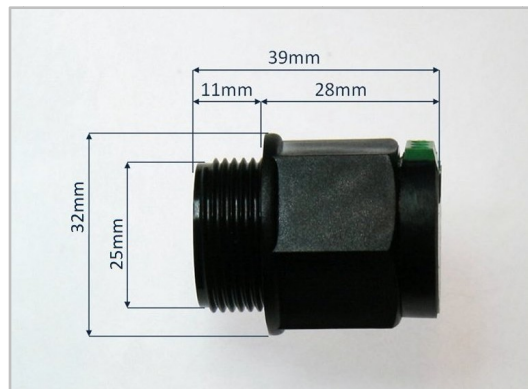
- USB 2.0 full speed device
- 2500 Volt isolation
- ±15 kV ESD protection on RS-232 pins
- Virtual comport drivers
- Win-8, Win-7, Vista and XP compatible

Hardware details

- Powerful RS232, ±7V swing @1KOhm load
- Connection: Screw terminal – 3.5mm pitch
- Speed : up to 1Mbps
- Isolation voltage: 2.500 Vrms / 1 minute
- ±15 kV ESD protection on RS232 pins
- Power : 130 mA from the PCs USB port
- Operating temperature : -40 to 70°C

Attention : Since the converter uses up to 130mA, low quality USB hubs should be avoided, as they cannot deliver the required power.

Mechanical details



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

Commercial details

- Order : **USB232-ILP**
- Price(2014) : **EUR 62 @1**
EUR 55 @10
EUR 40 @100