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Product sheet: USB232-ILP
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Rev: 1.0

Low profile panel mount RS232 converter

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

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 mm^2 (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**
- **±15 kV ESD protection on RS-232 pins**
- **Virtual comport drivers**
- **Win-7, Vista and XP compatible**

Hardware details

- Powerful RS232, ± 7V swing @1KOhm load
- ±15 kV ESD protection on RS232 pins
- Connection: Screw terminal – 3.5mm pitch
- Speed : up to 1Mbps
- Isolation voltage: 2.500 Vrms / 1 minute
- Power : 130 mA from the PCs USB port
- Operating temperature : 0 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(2012) : **EUR 62** @1
EUR 55 @10
EUR 40 @100

Cable version available upon request.