

USB to RS485 CONVERTER

LSP-CRS

Brief description

This electrically isolated USB to RS485 converter is designed for industrial use and it makes a half-duplex RS485 connection. With its metal housing this converter is highly recommended for factory environment, but it is also suitable for any other installations.



Features

- Optical isolated
- Input over voltage protection
- Short circuit protection
- USB 2 compatible
- Virtual comport
- Visual indicator LED for RX -TX
- Supply voltage from the USB
- FTDI chip
- Wall mountable aluminium case
- Plug and Play
- 2500 KV isolation

Lueta Nr. 319, Romania

+40758576007

office@levtech.ro

www.levtech.ro

Description

This converter is powered through the USB plug and no external power supply is required. The power source is also isolated using an AIMTEC DC/DC converter, which ensures 3000V DC isolation.

Indication LED lights for TX and RX clearly indicates when data is transmitting, which is a great help during troubleshooting and also you can see when the converter is turned on and working.

After connecting the converter to the PC, the driver will be automatically installed and a virtual COM port will appear which acts the same as a serial COM port interface. In case that the driver doesn't installed automatically you can download it from here (<https://www.ftdichip.com/Drivers/D2XX.htm>).

The COM port number can be changed to any available COM port number. It can act as Modbus master for industrial communication and control implementation.

Using the high performance industry proven FT232 processor from FTDI, this converter ensures high reliability and performance.

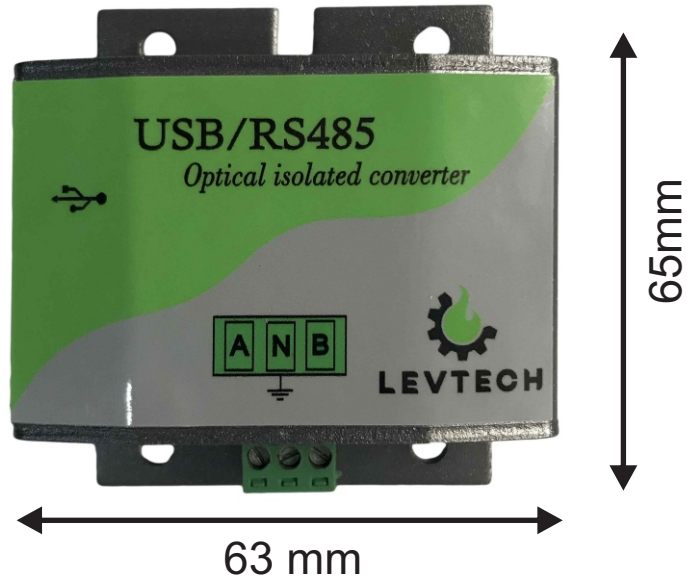
Optical isolation is provided by ACSL-6310 opto-couplers from Broadcom AVAGO, which provides super reliable isolation at voltages of up to 500V continuous and 2500V spike. This electrical separation between the PC and remote device, offers an excellent protection for the PC, in case the remote device fails.

The converter is also equipped with a gas discharge tube, which is used for protection against over voltage, caused by lightning, power switching and fault conditions.

Specification

Supply voltage	5VDC (Powered from USB)
Processor	FTDI FT232
Current consumption	200 mA
Power loss	1 W
Optical isolation	500V continuous, 2500 V spike
Electro static protection	15KV EDS
Surge protection	500W/sec
Operating temperature	-20 C to 50 C
Dimensions (W x H x D) in mm	65 x 40 x 25.5
Weight	65g
Indication lights	Send and Receive (RX, TX)
Max cable length	USB =2m, Rs485 up to 1.2 km at 19200Bsp
Connectors <ul style="list-style-type: none"> • 1 x USB • 1 x 3 way screw terminal plug 	Standard USB B female 2-wire RS485
Serial signals	A, B, GND (half duplex)
Termination resistor	Yes
OS compatibility	Windows XP32/64-bit, Windows 7 32/64bit, WinCE, Linux, Windows XP Embadded,Mac
Operating humidity	5% to 95% - No condensation
USB Interface	12Mbps USB 2.0 Full speed
Rs485 Interface	Baud rate 300 to 115200 Bps

Dimension



Connection

