

LB-1093-01 Isolated USB-RS485 Converter



Features

- 1.5 kV Galvanic Isolation
- Baud Rate – 300bps to 3Mbps (Auto Detection)
- Automatic Driver Installation

Device Overview

The unit is an industrial isolated USB to serial RS485 converter. The galvanic isolation protects against high voltage surges, spikes and ground loops, protecting your equipment from damage.

The device features a terminating resistor on the RS485 side that can be turned ON or OFF if needed. The value of resistor is 120Ω.

When connected for the first time to a laptop or a PC, the device pushes an automatic driver update and configures an additional COM port.

The USB plug is type A. The RS485 plug is a board-to-wire terminal block.

Technical Specification

USB Interface	
Speed	USB 2.0 full speed
USB Connector	Type A
USB compatibility	USB 1.0, 2.0, 3.0

RS485 Interface	
No. of Serial Ports	1
Baud Rate	300bps – 3Mbps (Auto Detection)
Isolation	1.5 kV

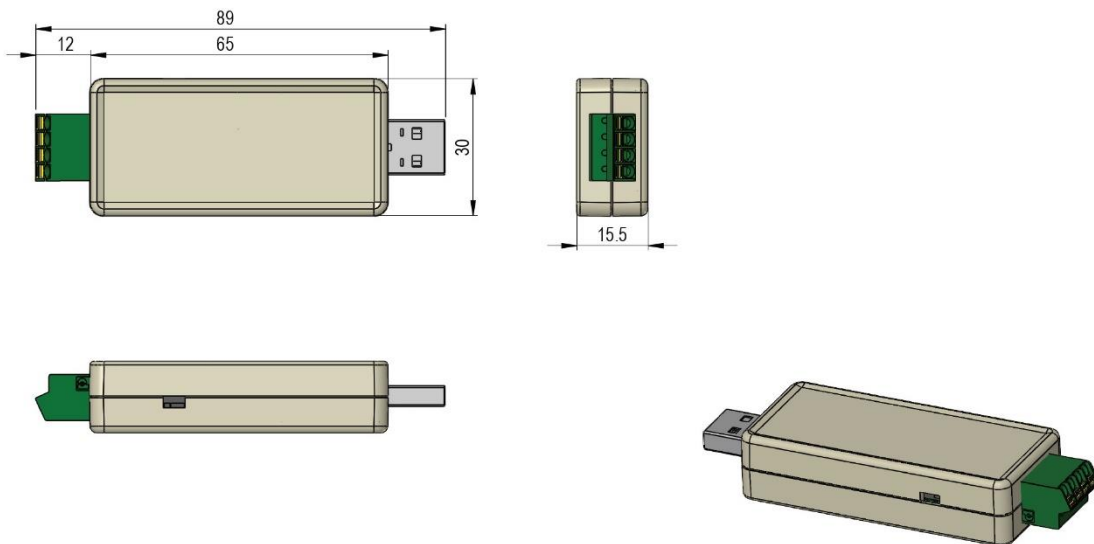
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Environment Characteristics	
Working Temperature	0 °C to +55 °C
Storage Temperature	-25 °C to +75 °C
Ambient Relative Humidity	Max. 85% RH, non-condensing

Warranty	
Warranty Period	1 year

Software	
Operating System	Windows 10, 8, 7, Vista, XP Mac OS8, OS9, OS-X Linux 2.4 and greater
Drivers	Auto Detection and Installation

Dimensions



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Terminals



Description	Terminal
USB Port	USB
RS485 B High	B
RS485 A Low	A
RS485 GND	G
Terminating Resistor 120Ω	TERM
LED Rx	RX
LED Tx	TX
LED Power ON	PWR