

USB-EIA485 Interface Converter E1087 connects EIA485 (RS485) devices to PC via USB port. The converter may be used for configuration or calibration of various EIA485 devices, for saving data from EIAS485 device to PC, etc.

Before starting

Install the necessary software for E1087 and your EIA485 device (drivers, configuration and calibration soft, etc).

The drivers for E1087 you may download from www.evikon.eu/soft/E1087_setup_x64.exe for 64-bit OS or www.evikon.eu/soft/E1087_setup_x32.exe for 32-bit OS.

Connection and operation

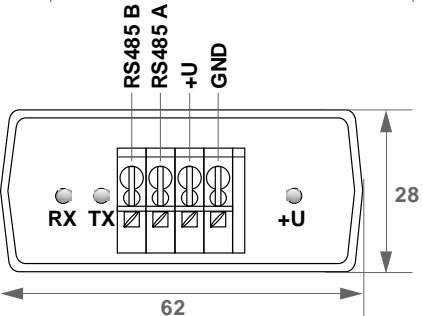
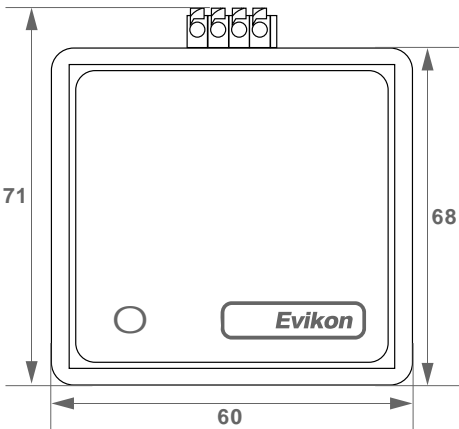
Connect the converter to your EIAS485 device according to the drawing below.

The screwless push-in terminals on the E1087 is suitable for the of wires with cross-section 0,2...0,5 mm². The recommended wire stripping length is ca. 0,5 mm. Use wire end sleeves to ensure tight contact.

Press the terminal lever with a small screwdriver, insert the wire end into terminal hole and release the lever.

Use twisted pair cable, e.g. LiYY TP 2×2×0,5 mm² or CAT 5, to connect the device to RS485 network. Use one pair for A and B wires and the second pair for common 0 V and power +U wires.

Connect the converter to PC using the USB cable provided with the device.



The converter is USB-powered, no external power source is necessary.

LED functionality

+U (green): lights when the power is on

TX (yellow) flashes if the data is transmitted from PC to RS485 device

RX (red): flashes if the data from RS485 device is received by PC

Specifications

Bus Type	USB 2.0
EIA 485 connection	Push-in terminal block
Chipset ID	CP2103
Interface	Serial
Data Bits	5, 6, 7, 8
Baud Rate	300...115200 Kb/s
Parity	Odd, Even, Mark, Space, No Parity
Serial Protocol	RS485
Stop Bits	1, 1.5, 2
OS Compatibility	Windows7/Vista /XP/Server 2003/2000 versions for Linux and Mac OS on demand
Operating Conditions	0°C...55°C, 5...95 % RH without condensation
USB Cable Length	1 m
Enclosure	Black plastic, IP 40 with four anti-slip silicone pads
Dimensions	H71 × W62 × D28 mm
Weight	< 100 g
CE marking	meets 2014/30/EU requirements

Delivery set

- USB-EIA485 Interface Converter E1087
- USB connection cable

Warranty

This product is warranted to be free from defects in material and workmanship for a period of one year from the date of the original sale. During this warranty period Manufacturer will, at its option, either repair or replace product that proves to be defective. This warranty is void if the product has been operated in conditions outside ranges specified by Manufacturer or damaged by customer error or negligence or if there has been an unauthorized modification.



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E1087

User manual