

MD11002 RS485-USB mini converter (EN)

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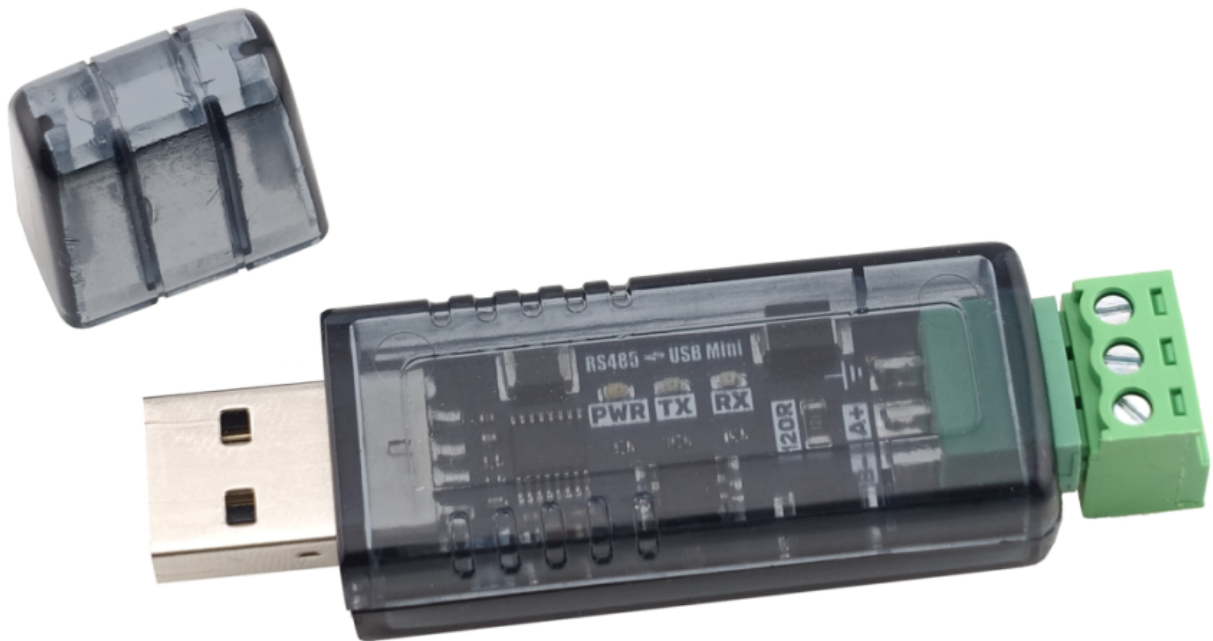
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Description

Industrial RS485 to USB Converter

A miniature RS485-USB converter module engineered for industrial and automation environments. A miniature RS485-USB converter module for automation and industrial applications. It is easy to use and provides fast and stable communication between the USB interface and the RS485 serial standard. Based on the popular CH9101R chip, it features extensive protection circuits to ensure reliable and secure communication. It is perfectly suited for industrial control systems and applications requiring high reliability.



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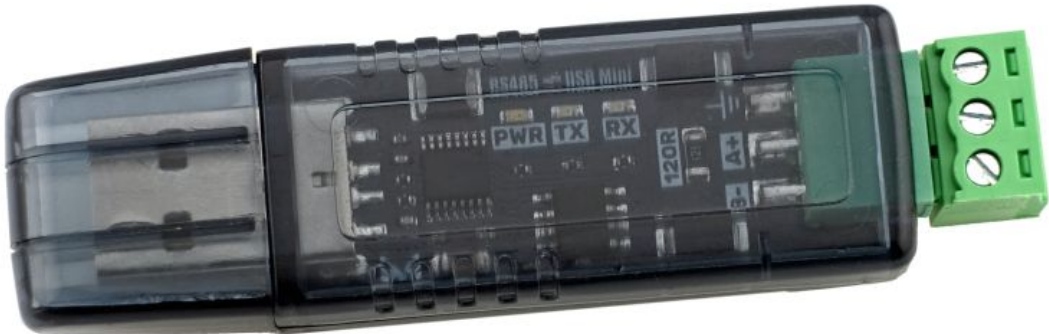
Basic Features and Parameters

- Industrial RS485-USB bus converter
- Compatible with USB 2.0 standard
- Transmission speed: 300 bps to 3 Mbps
- Half-duplex communication
- USB-A type USB connector
- Half-duplex communication

- Built-in surge protection
- Three LED diodes indicating power status (PWR) and data transmission (TX, RX)
- Built-in 120Ω termination resistor
- Phoenix Contact MC 3.5 mm type RS485 bus connector (A, B, GND)
- Operating temperature: -15°C ~ 70°C
- Supports operating systems with a built-in CDC driver (no installation required) or the manufacturer's multifunctional, high-speed VCP (Virtual COM Port) driver
- Dimensions: 48 x 20 x 13 mm

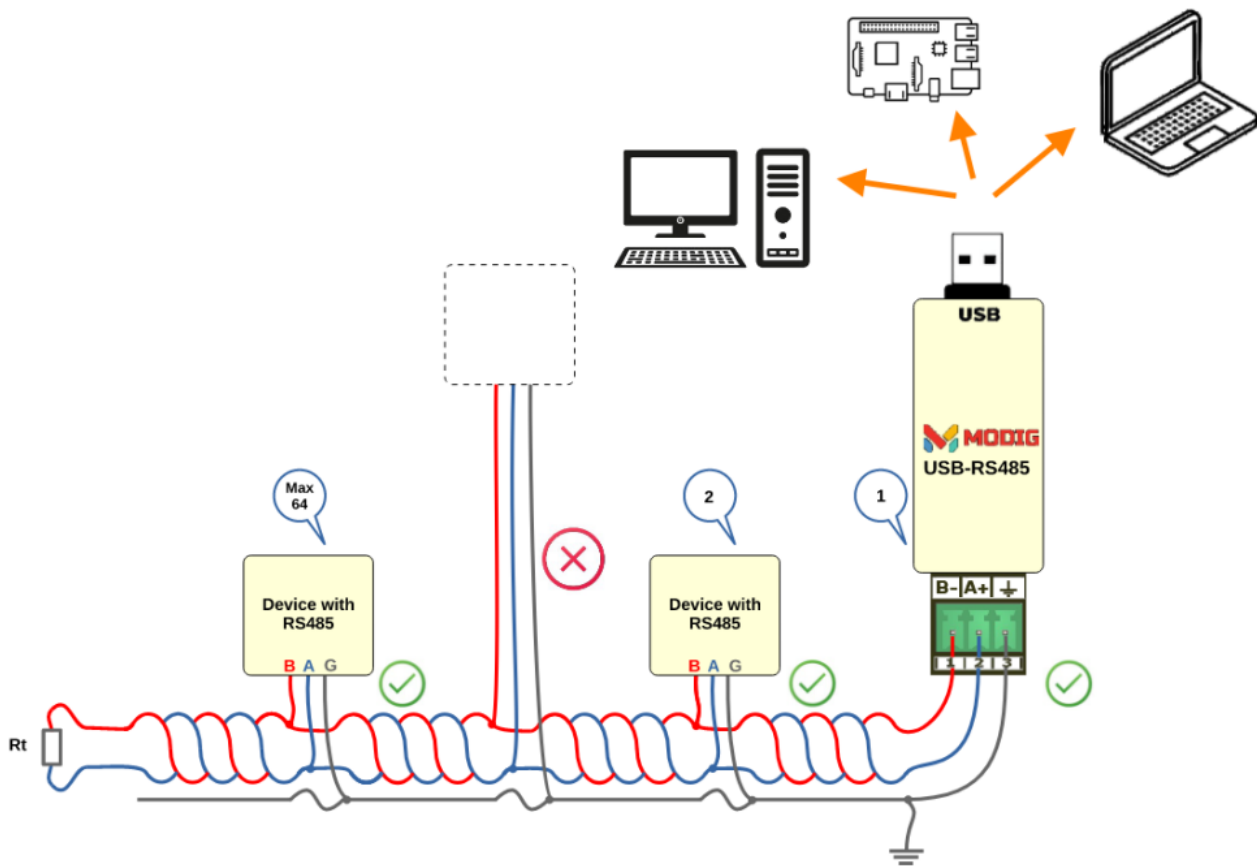
Standard Equipment

Code	Description
RS485-USB mini converter	• Assembled and tested module



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Application Example of the RS485-USB mini Converter



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LED Indicators

Indicator	Function
PWR	Indicates correct power supply to the converter
TX	Indicates data transmission to the RS485 bus
RX	Indicates data readout from the RS485 bus

RS485 Connector

Interface Element	Function
RS485 bus connector	• Phoenix Contact MC 3.5 mm type connector • Exposed RS485 signals: B-, A+ and signal ground: $\perp$

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