

USB TO RS485



Introduction

This is an industrial USB to RS485 converter with original FT232RL inside. It features embedded protection circuits such as lightning-proof, resettable fuse, ESD protection, and TVS diode, etc. It's pretty small in size.

[More](#)

Features

- USB to RS485 communication.
- Adopt original FT232RL, fast communicating, stable and reliable, better compatibility.
- Onboard TVS (Transient Voltage Suppressor), effectively suppresses surge voltage and transient spike voltage in the circuit, lightning-proof & anti-electrostatic.

- Onboard self-recovery fuse and protection diodes, ensure the current/voltage stable outputs, provides over-current/over-voltage proof, and improve shock resistance.
- 3x LEDs for indicating the power and transceiver status.

Specification

- Product type: industrial converter
- Baudrate: 300-921600bps
- Host port: USB
- Device port: RS485
- USB:
 - Operating voltage: 5V
 - Connector: USB-A
 - Protection: 200mA self-recovery fuse, ESD protection
 - Transmission distance: about 5m
- RS485:
 - Connector: screw terminal
 - Pins: A+, B-, GND
 - Direction control: hardware automatic control
 - Protection: 600W lightning-proof and surge-suppress, 15KV ESD protection (onboard 120R balancing resistor).
 - Transmission distance: about 1200m (low rate)
 - Transmission mode: point-to-multipoint (up to 32 nodes, it is recommended to use repeaters for 16 nodes or more).
- LED indicators:
 - PWR: red power indicator, lights up when there is a USB connection and voltage is detected.
 - TXD: red TX indicator, lights up when the USB port sends data.
 - RXD: red RX indicator, lights up when the device ports send data back.
- Operating environment:

- Temperature: -15°C ~ 70°C
- Humidity: 5%RH ~ 95%RH
- Operating system: Mac, Linux, Android, WinCE, Windows 10/8.1/8/7/XP

User guide

Driver installation

- Connect the module to host PC, check Device Manager, if the device is listed with the yellow exclamation mark, it means that the driver was not installed.