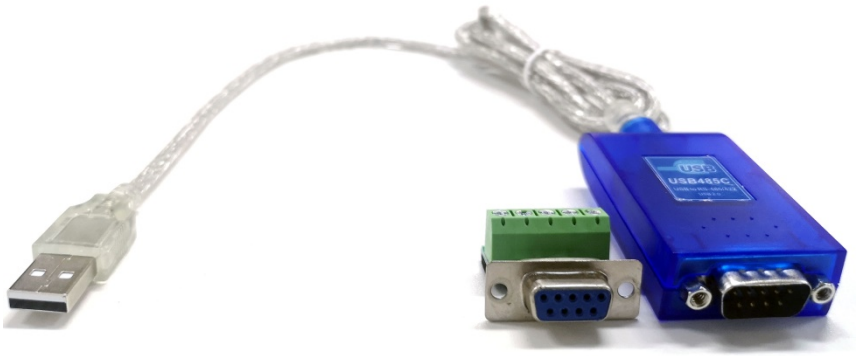
3onedata
Reliable Connections



USB485 Series

Passive Pocket USB to RS-485/422 Interface Converter

- Supports bilateral switching of data between 1 USB interface and 1 RS-485/422 serial port
- USB end power supply, without external power supply
- Autotunning of serial port signal rate
- Supports 600W surge protection, 15KV electrostatic protection
- Supports -20~60℃ wide temperature operation
- Compact size, easy installation

CONNECTING FOR A BETTER FUTURE

3onedata Co.,Ltd.

Introduction

USB485 series are passive pocket USB to RS-485/422 interface converter, which can achieve bilateral switching of data between USB interface and RS-485/422 serial port without external power supply. This series include 2 optional products and provide 1 USB interface, 1 RS-485 or 1 RS-485/422 serial port. Interface is equipped with 600W surge protection and 15kV electrostatic protection, which can effectively protect the device from damage.

The product provides matched driver program software; USB interface connected to PC will make up a serial COM port in the computer system. PC host can communicate with RS-485/422 device via virtual COM port.

USB485 series have compact size and are easy for installation. Specific LED indicator is convenient for judging signal conversion. It can be widely used in industrial control automation system, bar-code scanner, PLC and PLD, PDA (WinCE system), label printer, POS system, data acquisition control system, security access control system, etc.

Specification

Serial Port	Standard: EIA RS-485, RS-422 Quantity of serial port: 1 RS-485 serial port or RS-485/422 serial port RS-485 signal: D+, D-, GND RS-422 signal: T+, T-, GND, R+, R- Baud rate: 300bps~115200bps Interface form: adopt DB9 Male or 5-pin 5.08mm pitch terminal blocks Transmission distance: 1800m Direction control: RS-485 direction adopts ADDC (Automatic Data Direction Control) Load capacity: RS-485 supports 32-point polling environment (customizable 128-point) Interface protection: 600W surge protection, 15kV electrostatic protection
USB	Standard: USB 1.1, USB 2.0, USB CDC V1.1 Quantity of interfaces: 1 USB interface USB signal: VCC, DATA+, DATA-, GND Transmission rate: high speed 480Mbps, full speed 12Mbps Interface form: USB A-type plug, Female Transmission distance: 5m
Operating System	Windows 98/ME/2000/XP/7, Linux v5.0

Power Requirements	USB interface power supply, without external power supply
Power Consumption	Static power consumption: ≤80mA Dynamic power consumption (mean value): ≤150mA
Environmental Limits	Operating temperature: -20~60℃ Storage temperature: -25~85℃ Relative humidity: 5%~95%　(no condensation)
Physical Characteristics	Housing: plastic Dimension (W x H x D): 36mm×18mm×72mm (cable length 1m) Weight: 70g
Certifications	CE, FCC, RoHS
Warranty	3 years

Ordering Information

Available Models	USB	RS-485	RS-485/422	Power Supply Range
USB485B	1	1	—	—
USB485C	1	—	1	

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◂ Please scan our QR code for more details

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