USB485B

USB to RS-485 Converter

Features

1. Small volume, easy installation
2. No power supply needed, plug and play
3. Single chip(ASIC) USB port to serial port communication
4. Transmit distance reach up to 1800M at the rate of 115200bps.
5. Automatic send data control, auto distinguish and sense direction adopt data transfer
6. Auto sense serial signal rate, zero delay automatic transmit

Introduction

USB485B is a kind of USB to RS-485 industrial intelligent converter. It is the best solution for the communication between USB and RS-485. Compared with RS-232 to RS-485 converter, USB to RS-485 converter has many advantages.

Specification

USB

Compliance: USB1.1/2.0 compliant

Connector: USB type A

Speed: 12Mbps (Full-speed USB)

Serial interface

Numbers of ports: 1

Serial standards: RS485/422

Connector: DB9 male

Serial Line protection

ESD Protection: 15KV embedded

Performance

Baud rate: 300bps to 230400bps

Serial Communication Parameters

Data Bites: 5, 6, 7, 8

Stop Bits: 1, 1.5, 2

Parity: None, Even, Odd, Space, Mark

Flow Control: RTS/CTS, XON/XOFF

FIFO: 128bytes

Serial Signals

RS-485: D+,D-,GND

Loading: 32 nodes or custom 128 nodes

Transmission: RS-485 1800M(115200bps), USB 5M

Driver Support

Operating System: Support Windows98/ME and Windows2000/XP, Windows Server 2003/2008, Windows 7/Vista, Linux, Unix

Physical Characteristics

Weight: Products only: 70g

　　　　 Packaged: 120g

Dimension: 70mm×35mm×18mm(wiring 1.0m)

Environment

Working temperature: -20 to 60℃

Storage temperature: -25 to 85℃

Humidity: Relative humidity 5% to 95%

Power requirements

No power supply needed, powered from USB

Consumption: Static consumption less than 80mA, dynamic average consumption less than 150mA

Warranty: 3 years

Approvals: FCC, CE, RoHS approvals

Packing List

1. USB485B × 1
2. CD for software × 1
3. User manual × 1