## 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

USB485 is a kind of USB to RS-485/422 industrial intelligent converter. It is the best solution for the communication between USB and RS-485/422. Compared with RS-232 to RS-485/422 converter, USB to RS-485/422 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
- RS-422: T+, R+, T-, R-, GND
- Loading: 32 nodes or custom 128 nodes
- Transmission: RS-485 1800M (115200bps), USB 5M

### Driver Support

### Physical Characteristics
- Weight: Products only: 70g
- Packaged: 120g
- Dimension: 70mm×35mm×18mm (wiring 1.5m)

### Environment
- Working temperature: -20 to 60°C
- Storage temperature: -25 to 85°C
- 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
- 5 years

### Approvals
- FCC, CE, RoHS approvals

## Packing List

1. USB485 × 1
2. CD for software × 1
3. User manual × 1