

# USB485C

## USB to RS485/422 converter

### Features

- ◇ Small volume, easy installation
- ◇ No power supply needed, plug and play
- ◇ Adopt DIP switch setup, random switch RS-485/RS-422 interface
- ◇ Transmit distance reach up to 1800M at the rate of 115200bps.
- ◇ Automatic send data control, auto distinguish and sense direction adopt data transfer
- ◇ Auto sense serial signal rate, zero delay automatic transmit



### Introduction

USB485C 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

### Specifications

#### USB

**Compliance:** USB1.0/1.1 compliant, USB 2.0 compliant

**Connector:** USB type A

**Speed:** 12Mbps(Full-speed USB)

#### Serial interface

**Numbers of ports:** 1

**Serial standards:** RS232

**Connector:** DB9 male

#### Serial Line protection

**ESD Protection:** 15KV embedded

#### Performance

**Baudrate:** 300bps to 115200bps

#### 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:** 64 bytes

#### Serial Signals:

**RS-485:** T+, R+, T-, R-

**RS-422:** T+, R+, T-, R-

**Loading:** 32 nodes or custom 128 nodes

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

#### Driver Support:

**Operating System:** Windows(98,2000, XP, 2003)

#### 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:** 3 years

### Ordering Information

USB485B USB to RS-485 converter

USB485C USB to RS-485/422 converter

### Package checklist

1 USB to RS485/422 USB485C, 1 Document and software CD, 1 5bits terminal block