

CSE820B

USB to RS232/485/422 Converter



- Support 1 × USB to 1 × RS232/485/422 serial port
- Comply with USB2.0 standard, support hot swap, USB interface powered
- Serial port supports automatic baud rate detection of 300bps~230400bps, with 128-node multi-machine communication
- Support automatic identification of RS485 data flow direction and zero-delay automatic forwarding
- Support 15kV electrostatic protection and 600W/ms lightning protection
- -40°C~+85°C working temperature

Product Description

CSE820B converter is a USB-to-RS232/485/422 interface converter that enables bidirectional data conversion between USB and serial ports without requiring an external power supply. This product supports operating systems including Linux v2.4, Windows 98/2000/XP/2003/7/10, and Mac OS 8/9. It provides compatible drivers to extend USB interfaces into RS232/485/422 serial ports. Featuring proprietary serial port protection circuitry, it offers anti-static, lightning strike, and surge suppression capabilities. Built-in intelligent module automatically detects RS485 data flow direction, enabling zero-delay automatic forwarding with automatic baud rate detection from 300bps to 230400bps. Built with industrial-grade design, it exhibits excellent high/low temperature tolerance, ensuring stable operation from -40°C to +85°C. Utilizing low-power, wide-temperature hardware, it is widely applicable in indoor/outdoor systems such as attendance tracking, access control, PTZ camera control, meal distribution, and parking management.

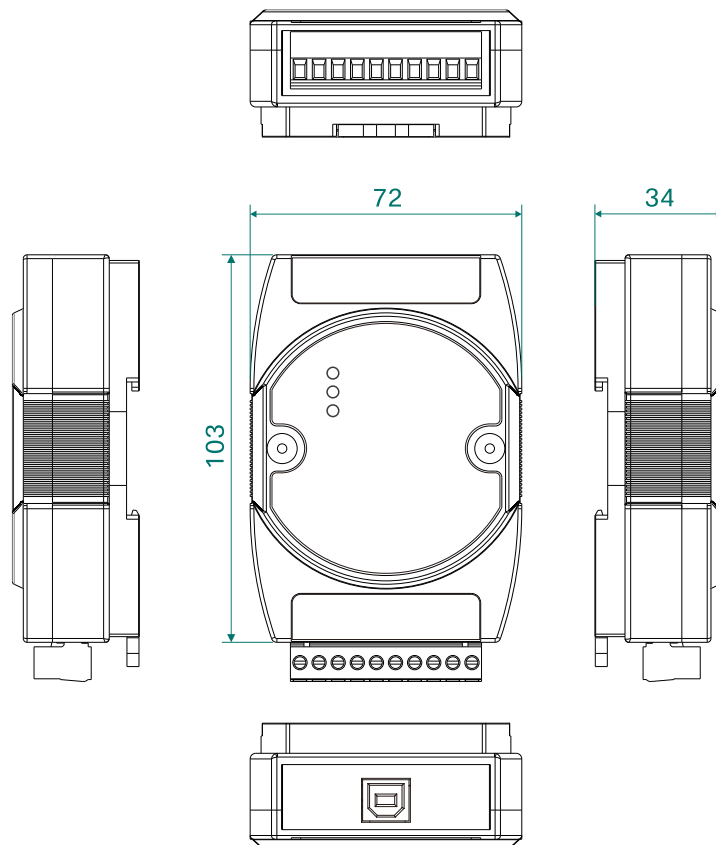
Technical Specifications

Interface	
USB	Standard: Comply with USB2.0 standard Number of interfaces: 1 × USB2.0 Connection method: Type-B USB (Female) Operating system: Linux v2.4 and above, WIN98/ 2000/ XP/ 2003/ 7, Mac OS8/9
Serial Port	Standard: Comply with EIA RS232, RS485, RS422 standards Number of interfaces: 1 × RS232/485/422 Connection method: 10-pin 5.08mm pitch terminal block RS232/485/422 signal: TX, RX, GND, A+, B-, TX+, RX+, TX-, RX- Baud rate: 300bps~230400bps Load capacity: RS485/422 supports 128 node polling, RS232 supports point-to-point Direction control: automatic identification of data flow direction, automatic forwarding with zero delay Communication Distance: RS232: 15m; RS485/422: 1.5km, the higher the rate, the shorter the distance Interface protection: 15kV electrostatic protection, 600W/ms lightning surge protection
Status LED	Power indicator Serial port sending data indicator Serial port receiving data indicator
Power Supply	
Input Voltage	USB interface powered
Working Current	<2W
Physical Characteristics	
Dimensions	103×72×34mm (DIN rail clips excluded)
Installations	Easy installation on 35mm DIN rail
Weight	About 0.13kg
Working Environment	
Operating Temperature	-40°C~+85°C

Storage Temperature	-40°C~+85°C
Relative Humidity	5%~95% (non-condensing)

Dimensions

Unit: mm



Ordering Information

Standard Model	USB	RS232/485/422	Power Supply
CSE820B	1	1	USB



Contact Us

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