

CSE820A

USB to RS485/422 Converter



- Support 1 x USB to 1 x RS485/422 serial port
- Comply with USB2.0 standard, support hot swap, USB interface powered
- Serial port supports automatic baud rate detection of 300bps~230400bps, enabling multi-device communication with up to 128 nodes
- Support automatic identification of RS485 data flow direction and zero-delay automatic forwarding
- Compact structure, small size, easy to install
- Support wide operating temperature: -40°C~+85°C

Products Description

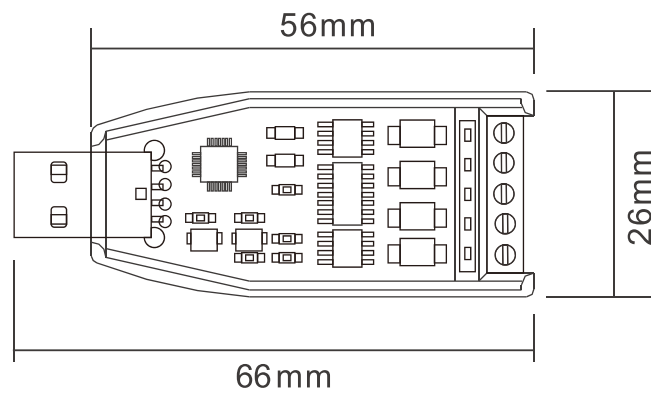
CSE820A converter is a USB-to-RS485/422 interface converter that enables bidirectional data conversion between USB and serial ports without requiring an external power supply. This product supports operating systems including Linux v2.4, Windows 98/2000/XP/2003/7/10, and Mac OS 8/9. It provides compatible drivers to extend USB interfaces into RS485/422 serial ports. Featuring proprietary serial port protection circuitry, it offers anti-static, lightning strike, and surge suppression capabilities. Features an integrated intelligent module that automatically detects RS485 data flow direction, enabling zero-delay automatic forwarding with automatic baud rate detection from 300bps to 230400bps. Industrial-grade design ensures robust performance across extreme temperatures, maintaining stable operation from -40°C to +85°C. Low-power, wide-temperature hardware enables versatile deployment in indoor/outdoor systems including attendance tracking, access control, PTZ camera control, cafeteria management, and parking facilities.

Technical Specifications

Interface	
USB	Standard: Comply with USB2.0 standard Number of interfaces: 1 x USB2.0 Connection method: Type-A USB (Female) Operating system: Linux v2.4 and above, WIN98/ 2000/XP/2003/7, Mac OS8/9
Serial Port	Standard: Compliant with EIA RS485, RS422 standards Number of Ports: 1 x RS485/422 Connection Method: 5-pin terminal block RS485/422 Signals: T+(A+), T-(B-), R+, R-, GND Baud Rate: 300bps~230400bps Load Capacity: Supports polling of 128 nodes Direction Control: Automatic detection of RS485 data flow direction, zero-delay automatic forwarding Communication Distance: 1.5km; transmission distance decreases with higher baud rates
Status LED	TX Indicator, RX Indicator
Power Supply	
Input Voltage	USB interface powered
Working Current	<1W
Physical Characteristics	
Dimensions	66×13×26(mm)
Weight	About 20g
Working Environment	
Operating Temp	-40°C~+85°C
Storage Temp	-40°C~+85°C
Relative Humidity	5%~95%(non-condensing)

Dimensions

Unit: mm



Ordering Information

Standard Model	USB	RS485/422	Power Supply
CSE820A	1	1	USB



Contact Us

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