MWE820A

USB to RS485/422 Converter

- Support 1 USB to 1 RS485/422 serial port
- Comply with USB2.0 standard, support hot swap, USB interface powered
- Support 0~12Mbps baud rate adaptive, 128-node terminal devices communication
- 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℃~+85℃

CE FC RoHS

🞂 Products Description

The MWE820A converter is a USB to RS485/422 interface converter that can realize bidirectional conversion of data between USB and serial port without the need for an external power supply. This product supports operating systems such as Linux v2.4, Windows 98/2000/XP/2003/7 and Mac OS8/9, provides supporting drivers. It can expand the USB interface to RS485/422 serial port, and adopts a unique serial port protection circuit with anti-static, anti-lightning and surge suppression functions. Built-in intelligent module and automatically identifies the direction of RS485 data flow, automatically forwards with zero delay, and adapts to 0~12Mbps baud rate. Industrial-grade design, with good high and low temperature resistance, it can operate stably in -40℃~+85℃ temperature environment. The hardware adopts fanless, low power consumption, and wide temperature design, which can be widely used in indoor and outdoor systems such as attendance, access control, PTZ control, food vending, and parking lot.
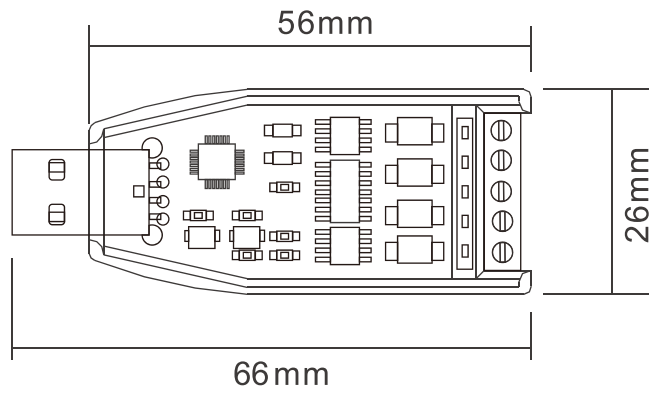
Specification

Interface

USB	Standard: Comply with USB2.0 standard Number of interfaces: 1 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: Comply with EIA RS485, RS422 standards Number of interfaces: 1 RS485/422 RS485/422 signal: T+ (A+), T- (B-), R+, R-, GND Baud rate: 0~12Mbps Load capacity: supports 128 nodes Direction control: automatic identification of data flow direction, automatic forwarding with zero delay Communication Distance: 1.5km, the higher the speed, the shorter the distance Connection method: 5-pin terminal block

Power Supply

Input Voltage	USB interface powered
Working Current	＜1W

Physical Characteristics

Dimensions	66×13×26(mm)
Weight	About 0.03kg

Working Environment

Operating Temp	-40℃~+85℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95%(non-condensing)

Industrial Standard

Certification	CE, FCC, RoHS

Dimensions

Unit:mm

56mm

26mm

66mm

Ordering Information

Standard Model	USB	RS485/422	Power Supply
MWE820A	1	1	USB

Contact Us

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