maisvch

MWE485-HUB8

RS232/485/422 to 8 RS485/422 Full-isolation HUB Converter

- Support conversion between one master station RS232/485/422 and 8 slave stations RS485/422

- Support auto-sensing baud rate 300bps to 115200bps

- Support separate optical isolation between the master/slave and slave/slave stations

- Support auto recognition of RS485 data flow direction and 0 delay auto forwarding

- Comprehensive fault-tolerant mechanism, one node damage does not affect other nodes

- Support 15kV static protection and 600W/ms lightning protection

- Support 8x128 nodes multi-machine communication

- Support DC5V power input

- Working temperature from -40 ℃ to +85 ℃

CE   FC   RoHS   ⚙

≋ Product Descriptions

The MWE485-HUB8 is a rack-mount serial port full-isolation hub converter that supports bidirectional transparent conversion between one RS232/485/422 master station and 8 RS485/422 slave stations.It can improve the RS485 bus structure, increase the load capacity and transmission distance of RS485. It supports DC5V power input and rack-mounting installation method to meet the needs of various industry.It provides a RS-485 star connection mode, which can bring great convenience to network layout. The fanless and low-power hardware design supports a wide temperature range of -40 ℃ to+85 ℃, suitable for various harsh industrial environments. It can be widely used in indoor and outdoor serial field-bus systems.

maisvch

☑ Specification

Interface

Serial Port	Standard: Compliant with EIA RS232,RS485 and RS422 standards Number of port: 1 master station RS232/485/422 and 8 slave stations RS485/422 RS232 signal pins: TX, RX, GND RS485/422 signal pins: TX+, RX+, TX-, RX- Baud rate: 300bps~115200bps Communication distance: 1.2km (19200bps), the higher the rate, the shorter the distance Load capacity: Each RS485/422 station supports 128 nodes polling Direction control: RS485 data flow direction auto recognition, zero delay auto forwarding Connection method: RS232: DB9M, RS485/422: 4-pin terminal block Port protection: 15kV static protection and 600W/ms lightning protection Optical isolation: 2.5kV between the master/slave and slave/slave stations
Status LED	Power LED, data sending LED, data receiving LED

Power Supply

Input Voltage	DC5V
Power Consumption	<2W@DC5V(full load)
Connection	DC circular socket

Physical Characteristics

Dimensions	482.6×44×210(mm)(including mounting brackets)
Installations	Standard 19-inch 1U Rack Mount
IP Code	IP40
Weight	About 2.5kg

Working Environment

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

Dimensions

Unit:mm

482.6
465
440
44
31.8
210
7
11

MAIN
RS-232
T+ T- R+ R- G
DC 9V

RX8 TX8 RX7 TX7 RX6 TX6 RX5 TX5 RX4 TX4 RX3 TX3 RX2 TX2 RX1 TX1 RX TX Power

maisvch

🛒 Ordering Information

Standard Model	Master Station RS232/485/422	Slave Station RS485/422	Power Voltage
MWE485-HUB8	1	8	DC5V

📞 Contact Us

WUHAN MAISVCH TECHNOLOGY CO.,LTD

Address: Chuangxinghui Free Trade Finance Building, No.777 Optical Valley 3rd Road, East Lake High-tech Development Zone, Wuhan, Hubei, China.
Mail: sales@maisvch.com
Official site: www.maisvch.com