

CSE485-HUB4

4xRS232/485/422 Full-isolation HUB Converter



- Support conversion between 1 × master station RS232/485/422 and 4 × slave stations RS232/485/422
- Support 300bps~115200bps baud rate
- Support separate optical isolation between the master/slave and slave/slave stations
- Support automatic RS485 data flow direction detection with zero-delay automatic forwarding
- Comprehensive fault-tolerant mechanism, one node damage does not affect other nodes
- Support 15kV electrostatic protection and 600W/ms lightning surge protection
- Support 4 × 128 nodes multi-machine communication
- Support DC5V power input
- Support -40°C to +85°C wide operating temperature range

Product Description

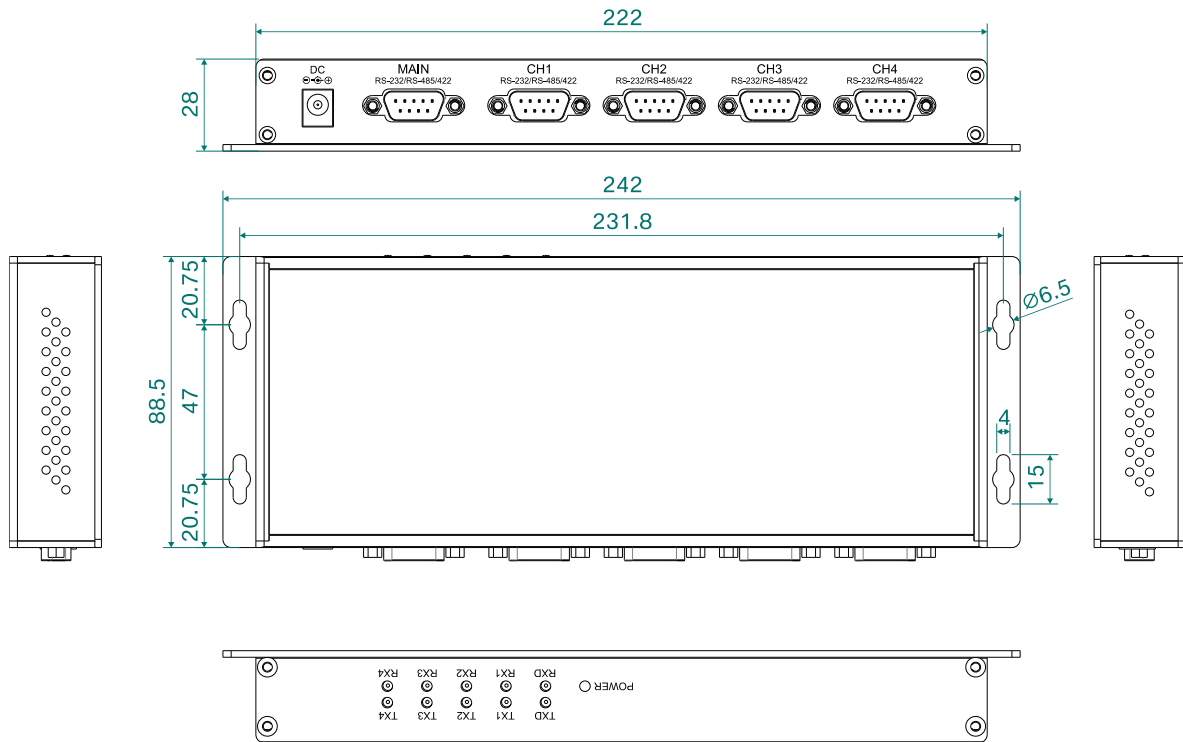
CSE485-HUB4 is a wall-mount serial port full isolated hub converter supporting one master RS232/485/422 port and multiple slave ports for bidirectional transparent conversion. It optimizes RS485 bus architecture while enhancing load capacity and transmission distance. The product features 1 × master RS232/485/422 port and 4 × slave RS232/485/422 serial ports, supports DC5V power input, and utilizes wall-mount installation to meet diverse industrial bus field requirements. It provides an RS-485 star connection configuration, transforming the original bus's linear structure and significantly simplifying network layout. The hardware features a fanless, low-power, wide-voltage design with a broad operating temperature range of -40°C to +85°C, making it suitable for harsh field environments. The product is widely applicable in indoor and outdoor systems such as attendance tracking, access control, PTZ camera control, meal distribution, and parking management.

Technical Specifications

Interface	
Serial Port	<p>Standard: Compliant with EIA RS232, RS485 and RS422 standards</p> <p>Number of port: 1 × master station RS232/485/422 and 4 × slave stations RS232/485/422</p> <p>RS232/485/422 signal pins: TX+, RX+, TX-, RX-, GND, TX, RX</p> <p>Baud rate: 300bps~115200bps</p> <p>Communication distance: 1.2km (19200bps), shorter distance at higher rates</p> <p>Load capacity: Each RS485/422 station supports 128 nodes polling</p> <p>Direction control: RS485 data flow direction auto recognition, zero delay auto forwarding</p> <p>Connection method: DB9M</p> <p>Port protection: 15kV static protection and 600W/ms lightning protection</p> <p>Optical isolation: Master-Slave, Slave-Slave</p>
Status LED	Power indicator, serial port transmit data indicator, serial port receive data indicator
Power Supply	
Power Input	DC5V
Power Consumption	<2W@DC5V
Connection	DC round connector
Physical Characteristics	
Dimensions	242×88.5×28 mm(including mounting brackets)
Installation	Wall mount
Weight	About 0.5kg
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	Master Station RS232/485/422	Slave Station RS232/485/422	Power Voltage
CSE485-HUB4	1	4	DC5V



Contact Us

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