

CSE485-H4

RS232/485 to 4xRS485 Isolation HUB Converter



- Supports conversion between 1 × master station RS232/485 and 4 × slave station RS485 ports
- Support baud rate 300bps to 460800bps
- Support auto recognition of RS485 data flow direction and zero 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 2.5kV optical isolation between the master and slave stations
- Support 4 × 128 nodes multi-machine communication
- Support DC9~36V power input
- Support operating temperature from -40°C to +85°C

Product Description

CSE485-H4 is a DIN-rail serial port isolation hub converter that supports bidirectional transparent conversion between 1 × RS232/485 master station and 4 × RS485 slave stations. It can improve the RS485 bus structure, increase the load capacity and transmission distance of RS485. It supports DC9~36V power input and standard DIN-rail installation method to meet the needs of various industry. It provides a RS485 star connection mode, which can bring great convenience to network layout. The hardware features a fanless, low-power, wide-voltage design and supports a wide operating temperature range of -40°C to +85°C, making it suitable for various harsh field environments. The product can be widely used in indoor and outdoor systems such as attendance tracking, access control, PTZ camera control, meal distribution, and parking management.

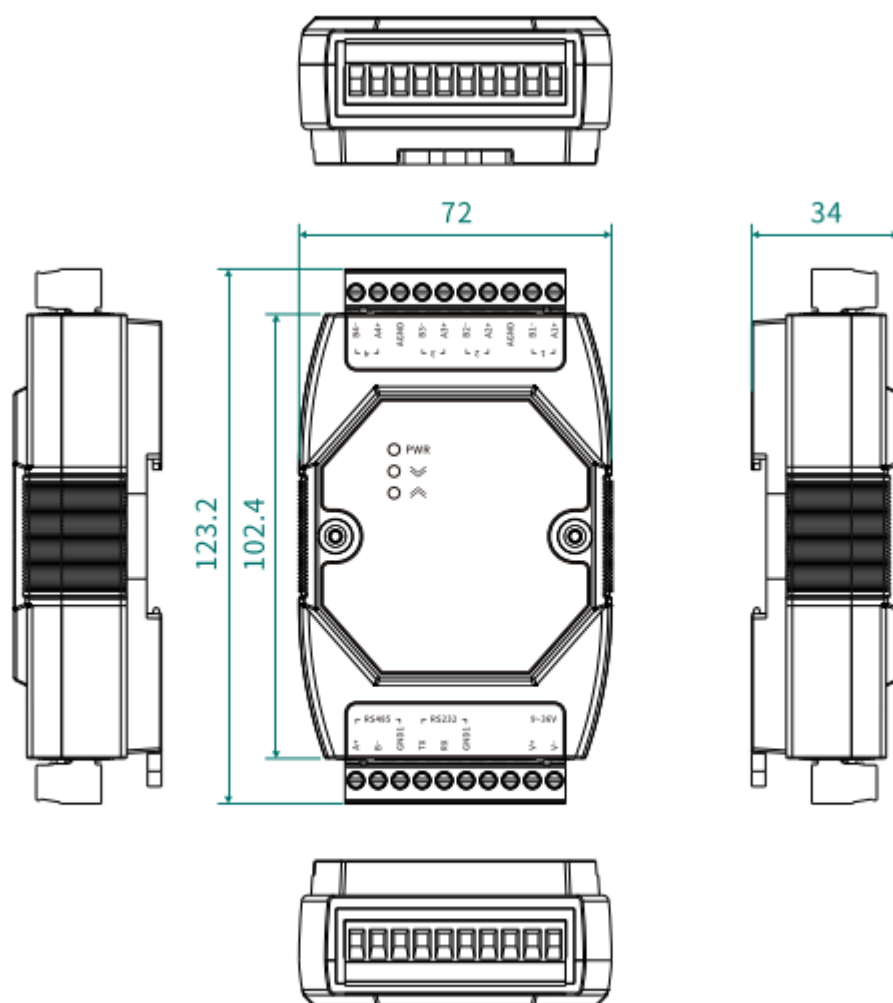
Technical Specifications

Interface	
Serial Port	Standard: Compliant with EIA RS232 and RS485 standards Number of port: 1 × master station RS232/485 and 4 × slave stations RS485 RS232/485 signals: A+, B -, GND, TX, RX RS485 signals: A+, B-, AGND Baud rate: 300bps~460800bps Communication distance: 1.5km (at 9600bps); shorter distance at higher rates Load capacity: Each RS485 station supports 128 nodes polling Direction control: RS485 data flow direction auto recognition, zero delay auto forwarding Connection method: 2 × 10-position 5.08mm pitch terminal blocks Port protection: 15kV static protection and 600W/ms lightning protection Optical isolation: 2.5kV
Status LED	Power indicator, serial port transmit/receive direction indicators
Power Supply	
Power Input	DC 9~36V
Power Consumption	≤0.5W @ DC 24V (Full Load)
Connection	10-position 5.08mm pitch terminal block, with 2 positions reserved for power
Physical Characteristics	
Dimensions	102.4 × 72 × 34 mm (excluding latches and connector dimensions)
Installations	Easy installation on 35mm DIN rails
Weight	About 0.14kg
Working Environment	
Operating Temp	-40°C ~+85°C

Storage Temp	-40°C ~+85°C
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Air discharge $\pm 15\text{kV}$ IEC 61000-4-5 (Surge): RS485 common mode $\pm 4\text{kV}$

Dimensions

Unit: mm



Ordering Information

Standard Model	Master Station RS232/485	Slave Station RS485	Power Voltage
CSE485-H4	1	4	DC9~36V



Contact Us

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