

CSE485-H8

8xRS485 Isolated Hub Converter



- Support mutual conversion between 1×master station RS485 and 8×slave station RS485
- Support baud rate of 300~460800bps. When the transmission distance is 1km, supports baud rate of 300~19200bps.
- The serial port supports 15kV electrostatic protection and common mode 4kV surge protection, and supports 2.5kV photoelectric isolation protection between the master station and slave stations.
- Support automatic control of RS485 data flow direction, 32×8 node polling
- Support DC9~60V power input, reverse polarity protection
- Support wide operating temperature of -40°C ~+85°C

Product Description

CSE485-H8 is an industrial-grade DIN rail serial port isolation hub converter that supports bidirectional transparent conversion between an RS485 master station and multiple RS485 slave stations. It can improve the RS485 bus structure and increase the load capacity and transmission distance of RS485. The product provides 1 × master station RS485 and 8 × slave station RS485 serial ports, supports DC9~60V power input, and adopts the standard DIN rail installation method to meet the needs of various industrial bus sites. It enables RS485 star-shaped connection configurations, transforming the traditional single-line bus structure and significantly simplifying network layout. The hardware features low-power, wide-temperature, and wide-voltage design with carefully selected industrial-grade components, supporting operation from -40°C to +85°C. It is suitable for various harsh field environments. The product can be widely used in indoor and outdoor systems such as attendance, access control, PTZ control, meal sales, and parking lots.

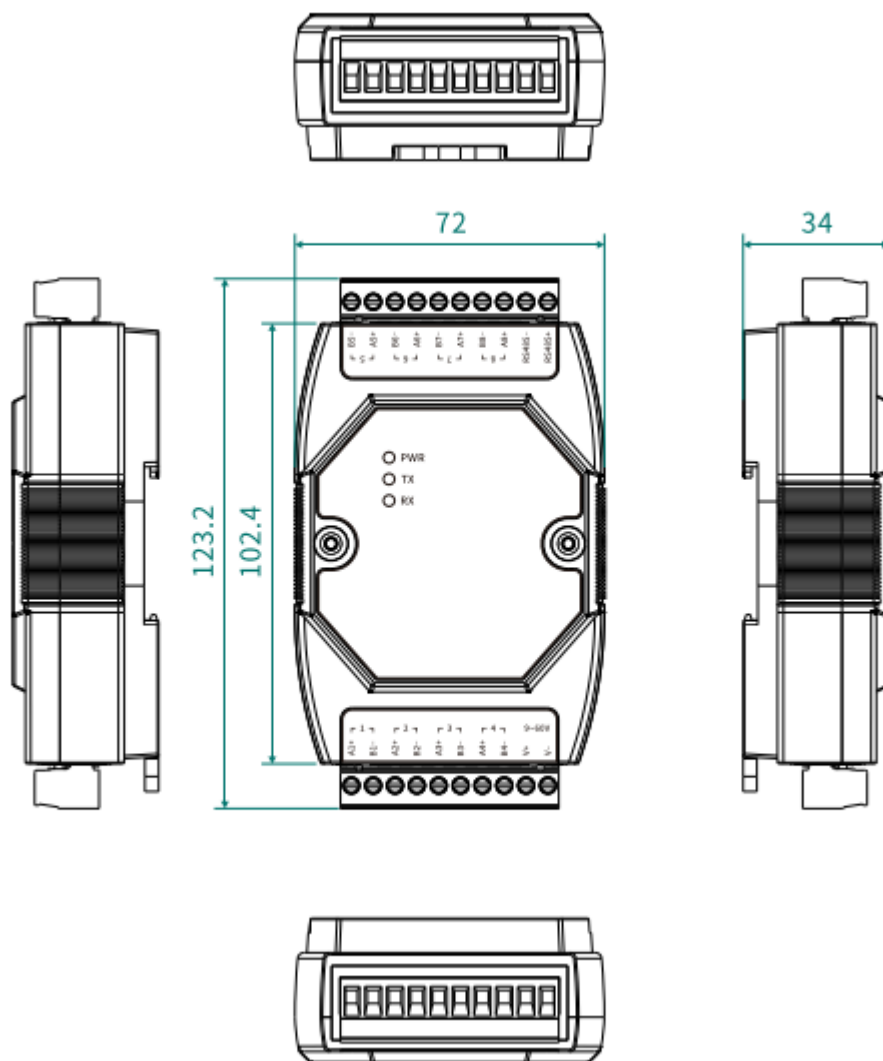
Technical Specifications

Interface	
RS485	Standard: Comply with EIA/TIA RS485 standard Number of interfaces: 1 × master station RS485 and 8 × slave station RS485 RS485 signal: A+, B- Baud rate: 300bps-460800bps Working mode: asynchronous half-duplex Communication distance: 1km (19200bps), the higher the speed, the shorter the distance Load capacity: Each RS485 channel supports 32 node polling Direction control: automatic control of data flow direction Pull-up and pull-down resistors: 1.5kΩ Connection method: 2×10-position 5.08mm pitch terminal blocks Interface protection: electrostatic protection (air discharge ±15kV), surge protection (common mode ±4kV) Optical Isolation: 2.5kV
Status LEDs	Power indicator, serial port sending data indicator, serial port receiving data indicator
Power Supply	
Input Voltage	DC 9~60V
Power Consumption	<0.5W@DC24V(Full Load)
Connection	10-position 5.08mm pitch terminal block, 2 positions for power supply
Protection	Reverse polarity protection
Physical Characteristics	
Dimensions	102.4×72×34 (mm) (DIN rail mounting clip and connector excluded)
Installations	35mm standard DIN rail installation
IP Code	IP40, Adam Enclosure
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): Level 4 (air discharge $\pm 15\text{kV}$) IEC 61000-4-5 (Surge): Level 4 (serial port: common mode $\pm 4\text{kV}$)

Dimensions

Unit: mm



Ordering Information

Standard Model	Main RS485	Slave RS485	Input Voltage
CSE485-H8	1	8	DC 9~60V



Contact Us

COME-STAR COMMUNICATION(WUHAN) CO., LTD.

Address: Puneng Industrial Park, Fenghuang Garden 1st Road, East Lake High-Tech Development Zone, Wuhan, China.

Tel: +86-027-59257958

Mail: sales@come-star.com

Official site: www.come-star.com

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