

# MWE485-H4

## RS232/485 to 4\*RS485 Isolation HUB Converter



- Support conversion between one master station RS232/485 and 4 slave stations RS485
- Support baud rate 300bps to 115200bps
- 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 2.5kV optical isolation between the master and slave stations
- Support 4x128 nodes multi-machine communication
- Support DC5V or DC9~30V power input
- Support working temperature from -40 °C to +85 °C



### Product Description

The MWE485-H4 is a DIN-rail serial port isolation hub converter that supports bidirectional transparent conversion between one 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 DC5V or DC9-30V power input and standard DIN-rail 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 °C to +85 °C, suitable for various harsh industrial environments. It can be widely used in indoor and outdoor serial field-bus systems.



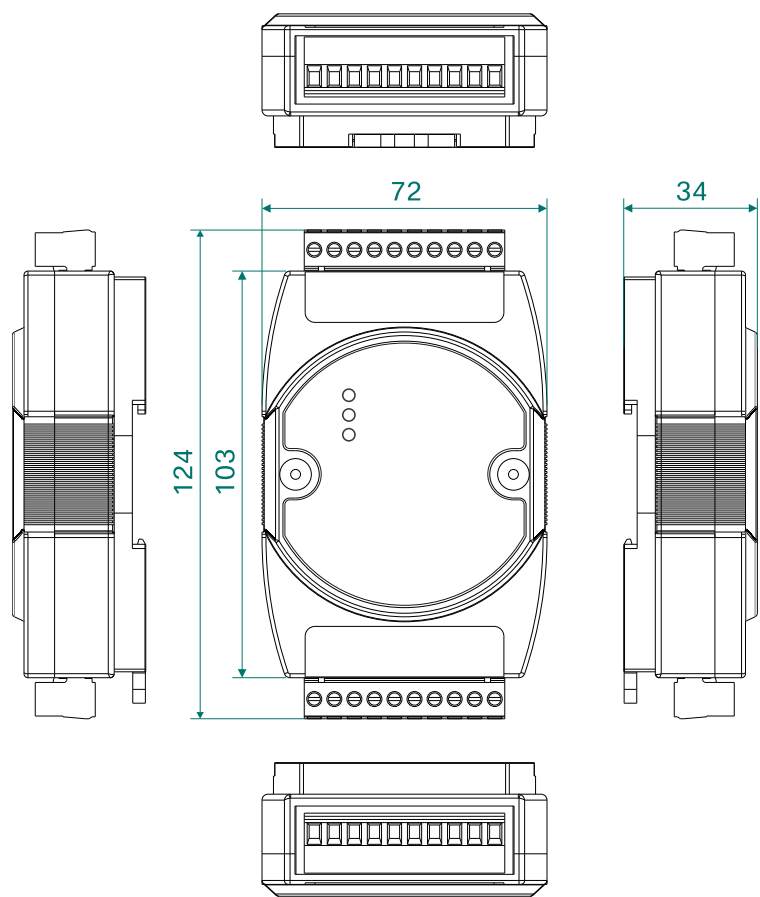
## Specification

Interface	
Serial Port	<p>Standard: Compliant with EIA RS232 and RS485 standards</p> <p>Number of port: 1 master station RS232/485 and 4 slave stations RS485</p> <p>RS232/485 signals: A+, B -, GND, TX, RX</p> <p>RS485 signals: A+, B -, AGND</p> <p>Baud rate: 300bps~115200bps</p> <p>Communication distance: 1.5km (9600bps), the higher the rate, the shorter the distance</p> <p>Load capacity: Each RS485 station supports 128 nodes polling</p> <p>Direction control: RS485 data flow direction auto recognition, zero delay auto forwarding</p> <p>Connection method: Two 5.08mm pitch 10-pin terminal blocks</p> <p>Port protection: 15kV static protection and 600W/ms lightning protection</p> <p>Optical isolation: 2.5kV</p>
Status LED	Power LED, data sending LED, data receiving LED
Power Supply	
Power Input	DC5V or DC9~30V
Working Current	<20mA
Connection	5.08mm pitch 10-pin terminal block, 3 pins for power
Physical Characteristics	
Dimensions	103×72×34(mm)(DIN rail mounting clip excluded)
Installations	Easy installation on 35mm DIN rails
Weight	About 0.14kg
Working Environment	
Operating Temp	-40℃~+85℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)



Dimensions

Unit:mm





## Ordering Information

Model	Master Station RS232/485	Slave Station RS485	Power Voltage
MWE485-H4	1	4	DC5V or DC9~30V



## Contact Us

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