

RS-232/RS-485 to 4 ports RS-485 Isolation HUB

Model: MWE485-H4

◆ Brief introduction

The MWE485-H4 achieves the 1 port RS-232/RS-485 to 4 ports RS-485 in high rate with optic-isolation. It supports to long distance communications above 1.5km and multidrops(4 ×128 drops). This HUB can be used for RS-232/485 conversion or extending the communication ability for RS-485 Bus.

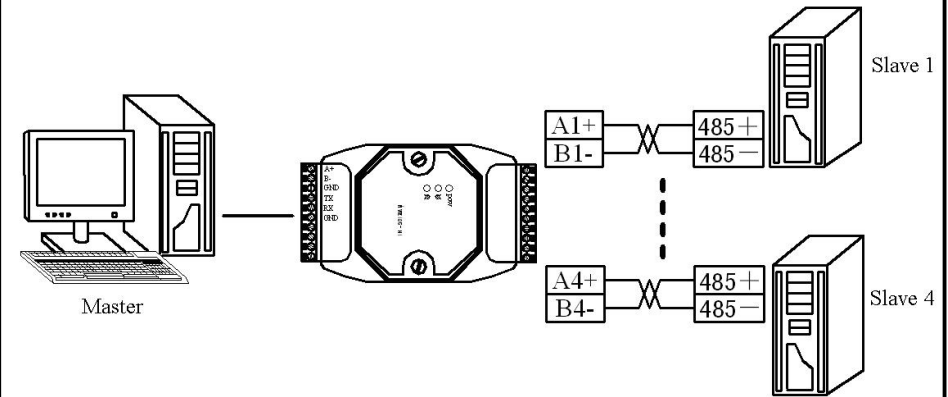
◆ Main function

- RS232/485 supported for master port;
- Optic-isolation for master to slave channels;
- Completely error contained, one slave node error does not affect others;
- 512 nodes broadcasting polling network mode supported;
- Intelligent module inside, auto-identify the RS-485 signal flaw;
- Industry level design, excellent import element chosen, all surface adhibit technics.

◆ Capability parameter

Power Supply	External power supply, DC5V/DC9~30V
Working current	<20mA
Baud rate	300~115.2Kbps
Communication distance	Up to 1.5km(9.6Kbps)
Isolation protection	15Kv static protecting and 600W/ms lightning protecting, 2.5KV opto-isolation
Weight	132g (with the terminal block)
Dimension	126mm×72mm×34mm
Working temperature	-40℃~85℃

◆ Application



◆ Installation and connection

● The terminal block

Both sides of the HUB is 10 ports terminal block. The main port can be chosen as S-232 or RS-485. The RS-232 uses the pins 4(TX), 5(RX), 6(GND1). The RS-485 uses the pins 1(A+), 2(B-), 3(GND1). Only one of RS232 or RS485 can be used at the same time.

The slave ports are 4 ports RS-485, which are opto-isolated to the main port.

● The matching resistance

The RS-485/422 are difference-signal. It is necessary to add a 120Ω matching resistor on the head and end of the communications circuit. The load ability will reduce when using the matching resistance. We suggest that it is necessary to use it only when the rate is above 19.2Kbps or the circuitry length is above 200m.

● Grounding

It is necessary to connect the GND of the circuit together, but **do not** connect it to the earth.

◆ Quality promises

- 1、 We can exchange the product in 1 years for the quality problem.
- 2、 We guarantee to keep the product in good repair for 5 years.