MWE485-HUB4

◆Brief introduction

The MWE485-HUB4 achieves the conversion of 1port RS-232/485/422 to 4 ways RS-232/RS-485/422 in high rate with full optic-isolation at both full-duplex or half-duplex models.It supports to long distance communications above 2km and multi-drops (4×128 nodes).This HUB can be used for RS-232/485 conversion or extending the communication ability for RS-485 Bus.

◆Capability parameters

1.RS232/485/422 supported for master and slave ports;

2.Optic-isolation for master to slave and slave to slave channels;

3.Completely error contained, one slave node error does not affect others;

4.4×128 drops broadcasting polling network mode supported;

5.Intelligent module inside, auto-identify the RS-485 signal flaw, 0.3~115.2kbps baud rate;

6.15Kv static protecting and 600W/ms lightning protecting;

7.Industrial level design,Dimension: 214mm × 92mm × 29mm,Working temperature:-40℃～85℃.
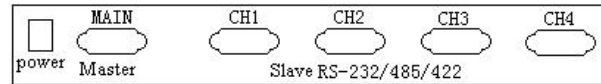
◆User guide

a>The panel of the HUB

MWE485-HUB4 all surface adhibit technics, the indicator LED are on the front panel and the power and data ports are on the back panel.
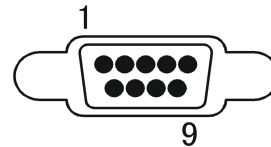
The front panel：
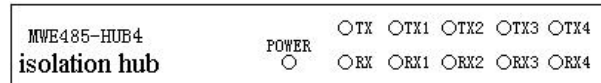
The back panel：

b>The indicator LED

There are total 10 indicator LED on the front panel to show the power and all data port working state.

c>The connection port definition

The main and slave channel ports of the MWE485-HUB4 are all DB9 male. The definition is as below：

PIN	1	2	3	4	5	6	7
Define	TX+	RX+	TX—	RX—	GND	TX	RX
Type	RS-485/RS-422				RS-232		

Connection：

1.One of RS-232 / RS-485 / RS-422 the three modes can be chosen for each channel port;

2.The pin 5,6,7 are RS-232,and the pin 1、2、3、4 are RS-485/422. There is a jumping switch for each slave channel inside the shell. When the switch is cutoff, the corresponding channel woks inRS-422 mode. And then connect the TX+,TX-,RX+,RX- of the channel port to the RX+,RX-,TX+,TX- of external device;
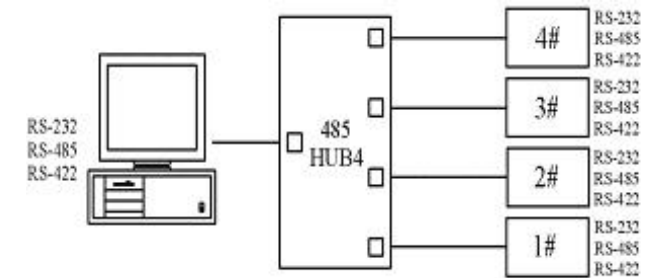
3.When switch is closed up, the corresponding channel works in RS-485 mode. Then the TX+ and RX+ is together as A+,TX- and RX- together as B-. Connect the A＋ and B- to the A+ and B- of external device.

The primordial acquiescent switches setting are RS-485 mode.

d> The power supply

The HUB need a DC+5V external power supply, the working power is <2W.

e> Application

◆ Quality promises

●We can exchange the product in 1 years for the quality problem.

●We guarantee to keep the product in good repair for 5 years.