

RS232/RS485 To 8-channel RS485 industrial-grade photoelectric isolation hub

— instruction manual —

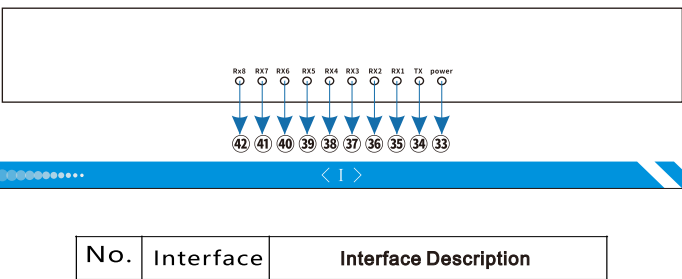
I. Introduction

This product is a universal RS232/RS485 to 8-channel RS485 bidirectional hub, compatible with RS-232C and RS-485 standards, and can convert single-ended RS-232/RS485 signals into balanced and differential 8 groups of RS485 signals, providing 600W lightning strikes per line. The surge protection power, as well as the surge voltage and transient over voltage generated on the line for various reasons, and the extremely small inter-electrode capacitance ensure the high-speed transmission of the RS-485 interface. Wide range of applications: industrial automation control systems, access control systems, power control systems, parking systems, etc.

II. Product parameters

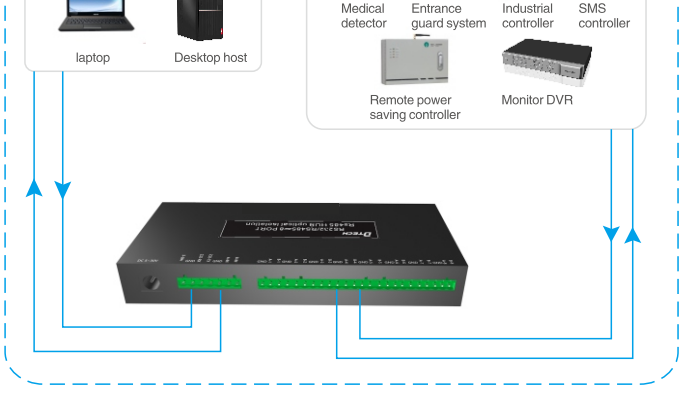
- Compatible with RS-232, RS-485 TIA/EIA standards
- Communication rate: 300bps-921600bps
- Each group can connect 256 RS485 devices
- Communication distance: 1200 meters for RS485/422, 15 meters for RS232
- Working power supply: DC5-30V
- Working mode: asynchronous half-duplex (RS-485)
- RS-485 provides protection for each line:
 - ±15KV, IEC61000-4-2 contact discharge
 - ±18KV, IEC61000-4-2 air gap discharge
 - ±15KV, EIA/JEDEC human body model discharge
- Built-in photoelectric isolator and power isolation module: the isolation voltage is 3000V
- 2000W lightning surge protection
- Two-way transparent transmission of product data, two-way mutual conversion
- Operating environment: -40°C to 80°C, relative humidity is 5% to 95%
- Suitable for the communication software used, plug and play
- Support all operating systems

III. Interface/Indicator light description



No.	Interface	Interface Description
①	DC 5~30V	DC Power interface
②	DC 5~30V	Terminal power positive pole
③	GND	Negative power supply
④	RS232 RXD	RS232 input receive
⑤	RS232 TXD	RS232 input sent
⑥	GND	Signal ground
⑦	RS485A-IN	RS485 A input interface
⑧	RS485B-IN	RS485 B input interface
⑨	GND	Signal ground
⑩	RS485A-1	RS485 A Group 1 output interface
⑪	RS485B-1	RS485 B Group 1 output interface
⑫	GND	Signal ground
⑬	RS485A-2	RS485 A Group 2 output interface
⑭	RS485B-2	RS485 B Group 2 output interface
⑮	GND	Signal ground
⑯	RS485A-3	RS485 A Group 3 output interface
⑰	RS485B-3	RS485 B Group 3 output interface
⑱	GND	Signal ground
⑲	RS485A-4	RS485 A Group 4 output interface
⑳	RS485B-4	RS485 B Group 4 output interface
㉑	GND	Signal ground
㉒	RS485A-5	RS485 A Group 5 output interface
㉓	RS485B-5	RS485 B Group 5 output interface
㉔	GND	Signal ground
㉕	RS485A-6	RS485 A Group 6 output interface
㉖	RS485B-6	RS485 B Group 6 output interface
㉗	GND	Signal ground
㉘	RS485A-7	RS485 A Group 7 output interface
㉙	RS485B-7	RS485 B Group 7 output interface
㉚	GND	Signal ground
㉛	RS485A-8	RS485 A Group 8 output interface
㉜	RS485B-8	RS485 B Group 8 output interface
㉝	Power	Power Indicator light
㉞	TX	Sender Indicator light
㉟	RX1	Group1 Receive indicator
㊱	RX2	Group2 Receive indicator
㊲	RX3	Group3 Receive indicator
㊳	RX4	Group4 Receive indicator
㊴	RX5	Group5 Receive indicator
㊵	RX6	Group6 Receive indicator
㊶	RX7	Group7 Receive indicator
㊷	Rx8	Group8 Receive indicator

IV. Connection Diagram



V. Product List

1. Product*1pcs
2. Power Adapter*1pcs
3. Terminals*4pcs
4. Scan code card*1pcs

Product Warranty Card

Customer Information

Model:	
Date of purchase:	
User telephone:	
User address:	
Distributor:	
Agency address:	
User telephone:	Dealer stamp valid

Intenance Records

Repair times	Date	Fault	Treatment measures	Repair work NO.

Electronic products are guaranteed for one year, and other products are guaranteed for two years. Damage caused by human factors or product burnout caused by improper operation is not included in the scope of warranty.