

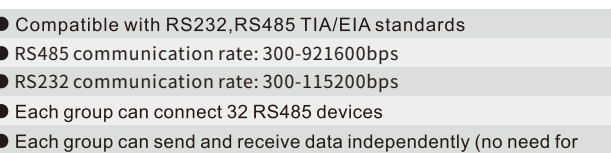
RS232 / RS485 To multi-channel RS485 industrial HUB manual

Please read the product manual carefully before using the product

Product introduction

This product is a universal RS232/RS485 to multi-channel RS485 bidirectional hub. It is compatible with RS232C and RS485 standards. It can convert single-ended RS232/RS485 signals into balanced differential multiple RS485 signals, providing 600W lightning strike per line Surge protection power, surge voltage and transient overvoltage generated on the line for various reasons, and extremely small inter-electrode capacitance ensure high-speed transmission of RS485 interface. Wide range of applications: industrial automation control systems, access control systems, power control systems, parking lot systems, etc.

Scope of application



Basic parameters

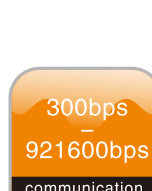
- Compatible with RS232, RS485 TIA/EIA standards
- RS485 communication rate: 300-921600bps
- RS232 communication rate: 300-115200bps
- Each group can connect 32 RS485 devices
- Each group can send and receive data independently (no need for multi-channel bus to simultaneously send and receive switching mode)
- Communication distance: 1200 meters
- Working power supply: DC9-38V
- Working mode: asynchronous half-duplex (RS485)
- RS485 provides 600W lightning protection, surge, ±15KV ESD protection per line and prevents common ground interference
- Operating environment: -20 °C to 80 °C, relative humidity is 5% to 95%
- Suitable for the communication software used, plug and play
- Support all operating systems

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Product features

Separate data sending and receiving

Each group can send and receive data independently (no need for 3 bus to send and receive switching mode at the same time).



Communication rate

Communication rate: 300bps-921600bps. Each group can connect 32 RS485 devices.



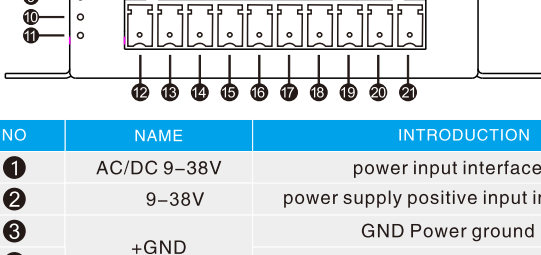
Lightning protection, anti-interference

Adopt lightning protection design, each line provides 600W lightning resistance, plus independent DC/DC power source, such a design makes the product has a strong resistance. The jamming capability is greatly improved in the system in the bad ring. Reliability for use in the environment.



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Interface specification

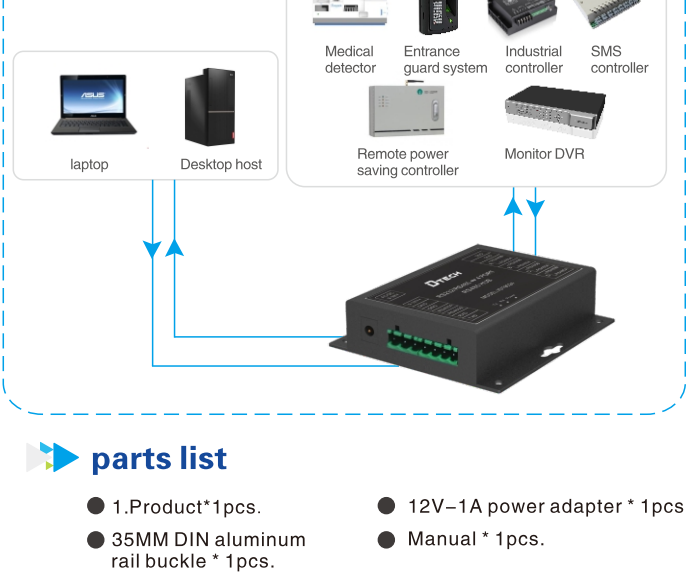


NO	NAME	INTRODUCTION
1	AC/DC 9-38V	power input interface
2	9-38V	power supply positive input interface
3	+GND	GND Power ground
4		Signal ground
5	RS485A	RS485 A input communication interface
6	RS485B	RS485 B input communication interface
7	RXD	RS232 RXD input communication interface
8	TXD	RS232 TXD input communication interface
9	TX	TX transmit indicator
10	RX	RX receiving indicator
11	POWER	POWER power light
12	D group	RS485A D group RS485 A output communication interface
13		RS485B D group RS485 B output communication interface
14	C group	RS485A C group RS485 A output communication interface
15		RS485B C group RS485 B output communication interface

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16	B group	RS485A	B group	RS485 A output communication interface
17		RS485B	B group	RS485 B output communication interface
18	A group	RS485A	A group	RS485 A output communication interface
19		RS485B	A group	RS485 B output communication interface
20	GND			GND Ground
21				GND Ground

connection schematic diagram



parts list

- 1.Product* 1pcs.
- 35MM DIN aluminum rail buckle * 1pcs.
- 12V-1A power adapter * 1pcs.
- Manual * 1pcs.

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Product Warranty Card

Customer Information

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

Intenance Records

Repair times	Date	Fault	Treatment measures	Repair work NO.

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