

RS232 TO 3-PORT RS485 HUB manual

Product introduction

The product of RS232 to RS485 bidirectional converter, compatible with RS-232C and RS-485 standards, which consists of converting single-ended RS-232 signals into balanced differential 3 sets of RS485 signals, and providing 600V lightning surge protection cover for the RS-485 interface, the surge voltage and transient overvoltage generated on the line for various reasons, so that the extremely small inter-electrode capacitance ensures the high-speed transmission of the RS-485 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 RS-232, RS-485, TIA/EIA standards.
- Communication rate: 300bps-82100bps.
- Each group can control 32 RS485 devices.
- Each group can send and receive data independently (no need for 3 bus to send and receive switching mode at the same time).
- Communication distance: 1200 meters.
- Working power supply: DC5-24V.
- Working mode: asynchronous half-duplex (RS-485).
- RS-485 provides 6000 lightning protection, surge, > 150V ESD protection per line, and prevents common ground interference.
- Operating environment: 0~50°C, relative humidity < 95%.
- Suitable for the communication software used, plug and play.
- Supports networking systems.

Product features

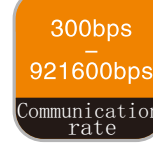
Separate data sending and receiving

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-82100bps. Each group can control 32 RS485 devices.

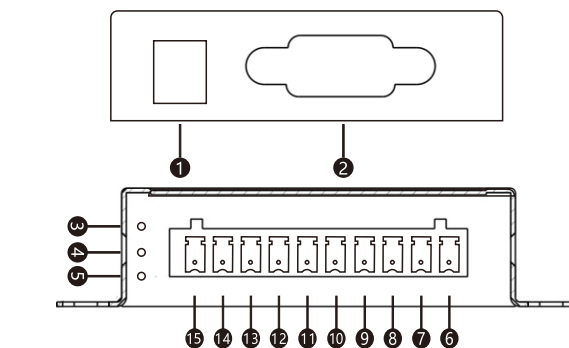


Lightning protection, anti-interference

Adopt lightning protection design, each line provides 6000 lightning resistance, and uses permanent DCC power source, such a design makes the product has a strong resistance to the jamming capability is greatly improved in the system with the lightning capability for use in the environment.

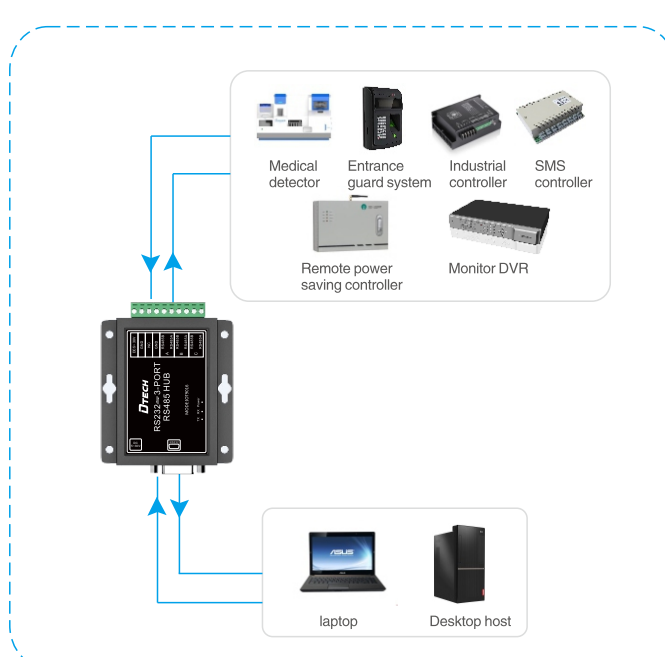


Interface specification



NO.	Terminal	Pin description
1	DC5-24V	Power input interface
2	RS232	RS232 signal interface
3	TX	Sender indicator
4	RX	Receiver indicator
5	POWER	Power light
6	S-24V	Power supply positive input interface
7	GND	Ground
8	NC	NC
9	GND	Ground
10	RS485	Rs485 B Communication Interface
11	A	RS485 A
12	RS485	Rs485 B Communication Interface
13	B	RS485 B
14	RS485	Rs485 C Communication Interface
15	C	RS485 C
16	RS485	Rs485 A Communication Interface
17	A	RS485 A

connection schematic diagram



parts list

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

Product Warranty Card

Customer Information

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

Intenance Records

Repair item	Date	Fault	Treatment #analysis	Repair work NO.