RS485HUB Multi-bus Server (HUB & Repeater & Converter)

Manual (RS485/232---4*RS485)

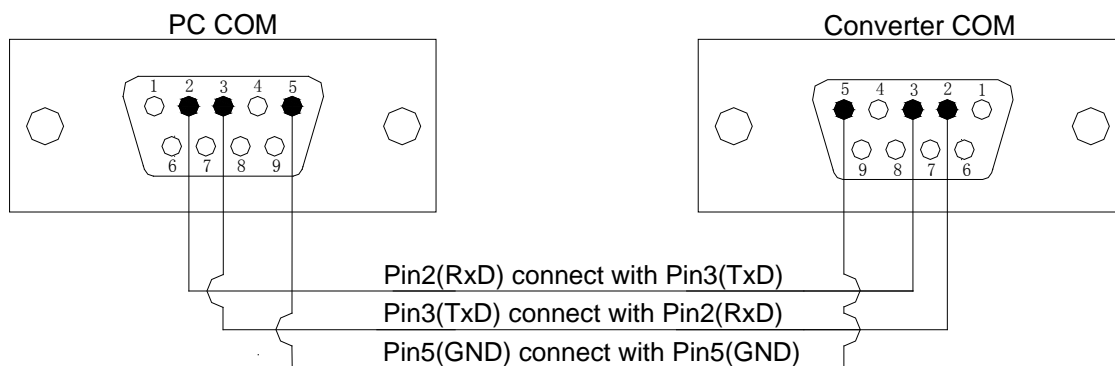## 1. Introduction

RS485HUB is a kind of Hub for RS485, it is Keyking's new product for satisfying the demands for more requirements of RS-485 in some special circumstances. It is can be called Multi-bus Server, it can transform 1 pcs RS485 to 4 pcs RS485; It is also can worked as a repeater to extend the transmission distance to more 1200 meters. There is a external power supply as accessory. At the same time, it has the features of small dimension, long transmission distance, automatically velocity, and stable function.
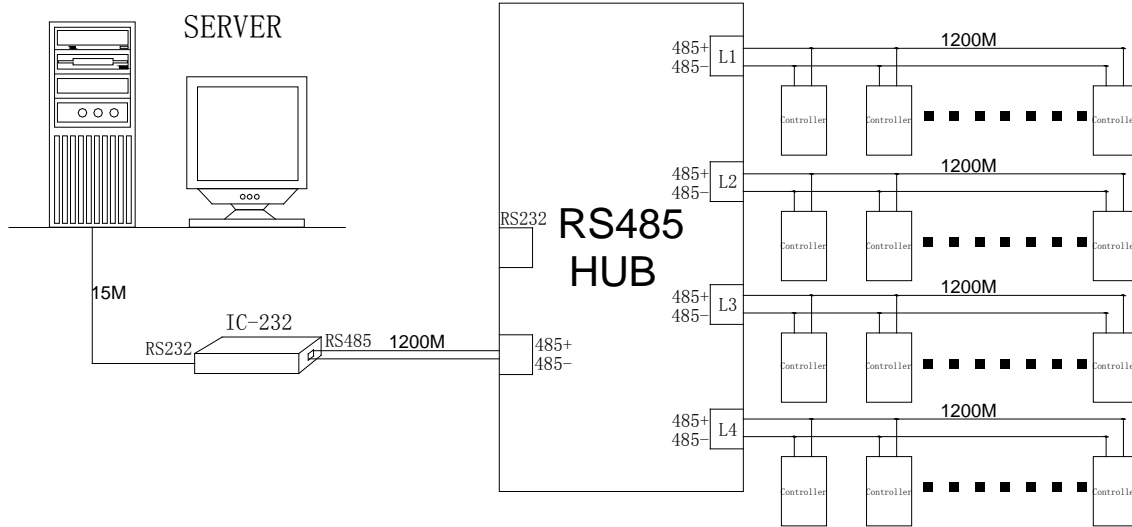
2. Features

- Velocity: 0-115200bps，Transmission Distance: 1200m (9600bps/h)。

- Temperature：-30℃- 70℃，Humidity: 5% -95%。

- Easy to change the structures of the RS485 to improve the communication quality.

- Easy to applying for the difficult electromagnetic circumstance.

- Adopt photo-electricity –Isolation Technology to avoid the damage of the thunder.

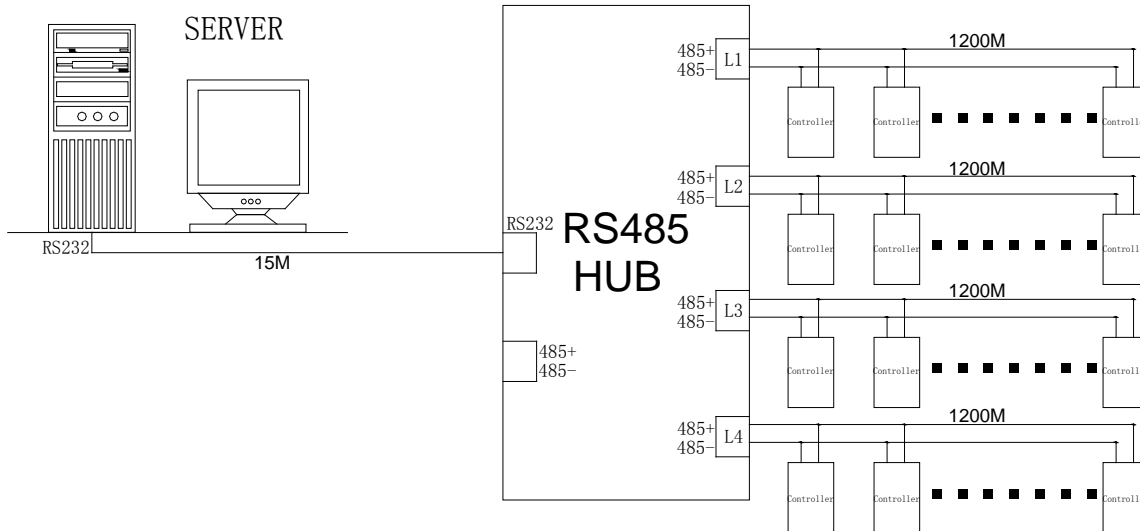- It can be connected onhe by one.

3. Pin definition for RS232 cable

PC COM   Converter COM

Pin2(RxD) connect with Pin3(TxD)
Pin3(TxD) connect with Pin2(RxD)
Pin5(GND) connect with Pin5(GND)

4. Work Mode
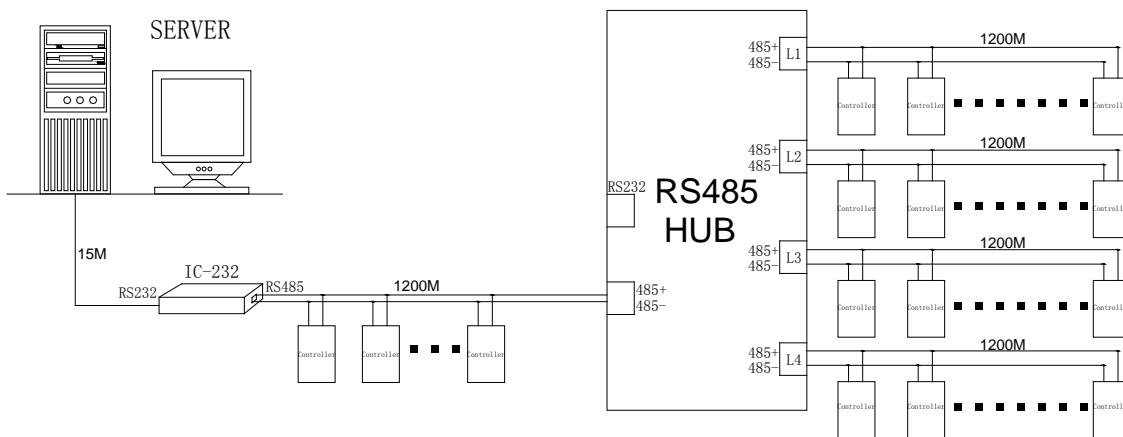
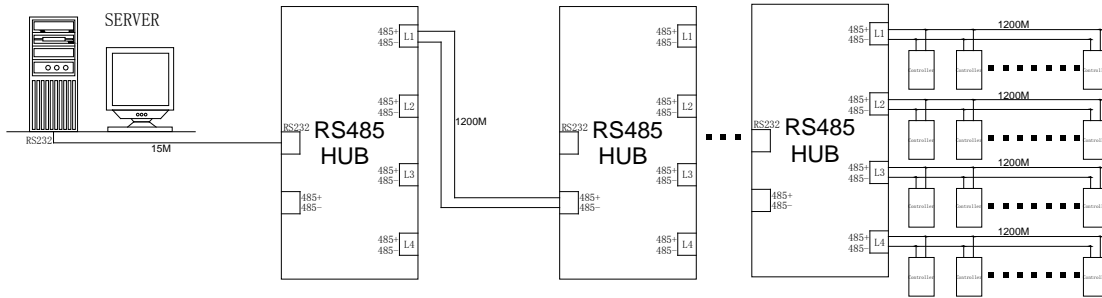Mode 1: RS485 HUB: RS485---4*RS485 (1 Piece RS485 to 4 PCS RS485) ;

Mode 2: RS485 HUB + RS485/232 Converter: RS232-——4*RS485 (1 * RS232 to 4 * RS485);

Mode 3: RS485 Repeater: RS485-——RS485;

Mode 4: Multi mode:

5. Application field

It is applied for Spot-Spot Communication, any kinds of remote control system, POS, Bank, Insurance, Access control system, Car Parking, Traffic Charge System, Industry Distribution System, PLC, Gas Meter, and etc.

LED for indicating line status: Red being on for a long time means this line has a problem.