

USB-RS485 Converter Manual

(Industry-specific, antistatic, anti-jamming, 600 W lightning protection)

1, Driver installation instructions:

Find the driver and install it -----Open the installation document (*.EXE)
----Click"INSTALL"; After installing the driver and connect the cable,The computer system will automatically find the new hardware , Then choose installed automatically ok .

2,How to find the COM port :

Connect different USB port, Corresponding to different COM port : Right hand button click" My computer"----left hand button choose"Attribution"----left button choose"hardware"----left button choose "device manager"----left button choose"COM Port"; Then you can see the transformation COM port.

3, Industrial standard design:

1-----D- (B)

2-----D+ (A)

3-----GND

USB TO RS485 Converter application:

- * LED display data communications;
- * Machine PLC data reading and writing;
- * Monitoring data read and write and console control;

- * Household electric appliance;
- * Access control system and metro card;
- * industrial automation; Instrument and meter;
- * The parking lot. The bus fee;
- * Dining room ; Staff attendance machine;
- * Highway toll gate ; ATM ;

4, technical parameters:

Our products are designed according to the industrial standard

1), 485 interface chip chosen is VP3082 TI original industrial-grade chips, communication distance can be reach 1.2 KM, with industrial field anti-jamming ability;

2), the CPU chip is optional CH341T, communication rate can be to 2 m;

3), 485 output interface take simple isolation circuit and 600 w lightning protection, further enhance the anti-interference; Industry-standard design, very suitable for industrial site;

Support for :WINDOWS 98/ME/2000/XP/server 2003/VISTA/
server 2008/WIN 7/64/32-bit3 ;

Interface standard: Meet TIA/EIA'RS485/RS422/232 standard;

Baud rate range: 50bps-200kbps;

USB2.0 version standard, Compatible with USB1.1;

Supports remote wake and power management;

Support plug and play and hot plug (USB end) ;

Work style: asynchronous half-duplex;

environment: 25 °C to 70 °C, relative humidity of 5% to 95%;

Transmission medium: twisted pair or shielded wire;

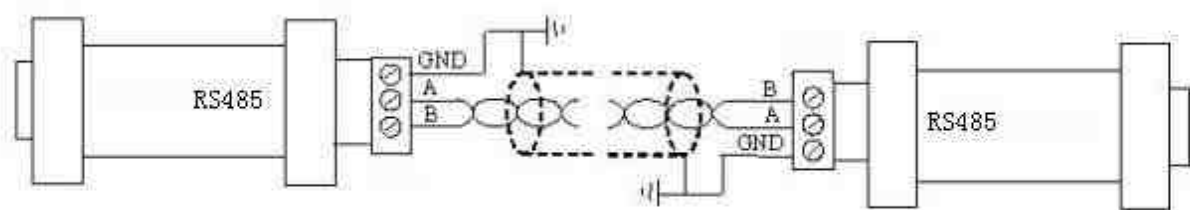
Transmission distance: 1.2KM or more ;

Weight :35g;

Instruction:

Terminal A and B respectively connect two wires as 485 communication wire. (preferably is 120 Ω twisted pair characteristic impedance cable).Two computers point-to-point communication, the two converter of A and A terminal connected, B and B are connected.

When multiple computers polling communication, all of the converter A termination connect into the 485 communication wire, B termination connect into another 485 communication wire.The shielded twisted-pair cable at distance communication, can be used with terminal device or terminal resistance to reduce echo reflection.Shield grounding GND。



接线图

Problem solving :

If not communications, please check the RS - 485 output interface connection is correct and reliable.Communication between each point parameters: rate, parity, stop bits and data bits are consistent.

Interfere with the big environment, newsletter wire be sure to use shielded twisted-pair cable, shielding layer on both ends of the ground.