

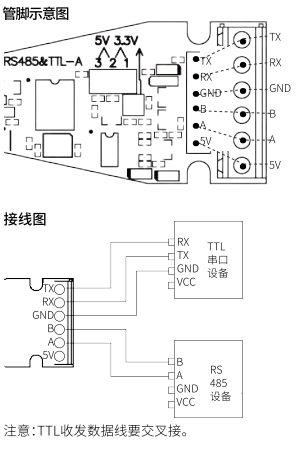
MyAntennaTM

性能稳定压倒一切

摩天485&TTL

接口转换器使用说明书

功能参数:
【TTL接口】
电平类型：3.3V/5V TTL电平可选
波特率：标准速率50bps~3Mbps
【485接口】
接口类型：点对点/点到多点二线半双工
波特率：标准速率50bps~3Mbps
负载能力：可连接32个RS485设备
传输距离：0~1200M, 波特率9600可达1200米, 921600可达300米
传输介质：屏蔽双绞线或双绞线
输出电源：5V
传输距离：USB端5米, TTL端5米, RS485端1200米
指示灯：红光-电源, 绿光-TX, 蓝光-RX
接口形式：USB端——A类公头, TTL&485端——螺钉/凤凰端子/插针
标准：符合USB1.0标准
符合1.1、2.0标准
符合EIA/TIA TTL标准
符合EIA RS-485标准
驱动程序：支持32/64位Windows操作系统
支持32/64位Linux系统
支持32/64位MAC OS系统
支持3.1及以上版本的Android系统
工作温度：-40~85℃



RS485&TTL转换器的管脚说明			
连接器	管脚	定义	功能
6pin 螺钉 凤凰头 /6pin 插针	1	TX	TTL数据发送
	2	RX	TTL数据接收
	3	GND	信号地/电源地
	4	B	RS485数据线B
	5	A	RS485数据线A
	6	5V	5V电源输出
3pin 插针	1	如果单片机的TTL串口电平是3.3V, 短接1、2脚;	
	2		
	3	如果单片机的TTL串口电平是5V, 短接2、3脚;	

凤凰头接线

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接线时先用配的螺丝刀逆时针把接线口拧下来, 然后才把线头放进接线口顺时针向上拧紧。

故障定位

1、无法识别串口号:
进入电脑的设备管理器, 查看端口(COM)项里是否已识别到串口号, 如果没有, 需要安装CH340T的驱动程序。

2、无法通信:
A、查看串口的配置是否符合外接设备的要求;
B、是否打开了串口;
C、波特率是否正确;
D、无端勾选RTS、DTR;
E、命令和协议格式是否正确;
F、外围设备供电是否正常;
G、接线是否正确;
H、发送命令时观察发送和接收的指示灯是否闪烁;
I、如果以上方法仍然无法通信, 请自行用示波器查看波形进行定位;

合格证

产品名称: RS485&TTL转接头
型号:
生产日期:
执行标准: USB1.0、1.1、2.0标准
EIA/TIA TTL标准
EIA RS-485标准
电话: 0755-86503881
技术热线: 18588203979
生产厂家: 深圳市摩天射频技术有限公司
地址: 深圳市南山科技园南区R3-A405

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保修卡

产品名称:
产品型号:
购买平台:
购买日期:
故障原因:
客户姓名:
联系电话:
客户地址:

【保修期与条款】
1、产品自收货日期起, 质保一年;
2、以下情况不在保修之列, 但可协商付费维修;
* 人为损坏或使用不当导致的异常;
* 擅自拆卸、改装或维修导致的损坏;
* 电子组件脏污、损坏等;
3、保修时请务务必留下您的电话及故障描述。

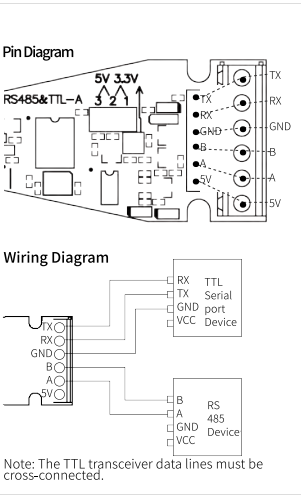
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Stable performance overrides everything

MyAntenna 485&TTL

interface converter instructions

Function Parameter:
【TTL interface】
Electrical level type: 3.3V and 5V TTL electrical level are optional
Baud rate : Standard rate 50bps~3Mbps
【485 interface】
Interface type : point-to-point/point-to-multipoint two-wire half-duplex
Baud rate : Standard rate 50bps~3Mbps
Load capacity: 32 RS485 devices can be connected
Transmission distance : 0~1200M (with 9600 baud rate can up to 1200 meters, 921600 can up to 300 meters)
Transmission medium : shielded twisted pair or twisted pair
Output power: 5V
Transmission distance: 5 meters at the USB end, 5 meters at the TTL end, and 1200 meters at the RS485 end
Indicator lights: red light-power, green light-TX, blue light-RX
Interface form: USB end——A type male
TTL and 485 end——Screw Phoenix Terminal/Pin Standard:
Compliant with USB1.0 standard
Compliant with 1.1 and 2.0 standard
Compliant with EIA/TIA TTL standard
Compliant with EIA RS-485 standard
Driver:
Support 32/64 bit Windows operating system
Support 32/64 bit Linux system
Support 32/64 bit MAC OS system
Support Android system of version 3.1 and above
Working temperature: -40~85℃



Pin's explanation of RS485&TTL converter			
Connector Pin	Definition	Function	
6 pin screw phoenix head/ 6 pin	1	TX	TTL data transmission
	2	RX	TTL data reception
	3	GND	Signal ground/ power ground
	4	B	RS485 data line B
	5	A	RS485 data line A
	6	5V	5V power output
3 pin	1	If the TTL serial port level of the single chip microcomputer is 3.3V, short connect pins 1 and 2;	
	2		
	3	If the TTL serial port level of the single chip microcomputer is 5V, short connect pins 2 and 3.	

Wiring Way:

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wiring hole

Unscrew the wiring port counterclockwise by screwdriver, put the thread into the wiring port and tighten clockwise.

Fault location

1. Unable to recognize the serial port number:

Enter the computer's device manager, check whether the serial port number has been recognized by the port (COM) item. If not, you need to install the driver of CH340T.

2. Unable to communicate

A. Check whether the configuration of the serial port meets the requirements of the external device;
B. Whether the serial port is opened;
C. Whether the baud rate is correct;
D. No need to tick RTS, DTR;
E. Whether the command and protocol format are correct
F. Whether the power supply of peripheral equipment is normal;
G. Whether the wiring is correct;
H. Observe whether the indicator lights of sending and receiving flash when sending commands;
I. If the above method still can not communicate, please use the oscilloscope to view the waveform to locate;

Certificate of conformity

Product name: RS485&TTL adapter
Model:
Production Date:
Executive standard: USB1.0、1.1、2.0 standard
EIA/TIA TTL standard
EIA RS-485 standard
Telephone: 0755-86503881
Technology Hotline: 18588203979
Manufacturer: MyAntenna Technology Co.,Ltd
Address: RM 405, R3-A Building, Shenzhen High-Tech Park, Nanshan, Shenzhen, P.R.China

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For more product information, please visit www.imyantenna.com

Warranty Card:

Product name:
Product model:
Purchase platform:
Purchase date:
Cause of issue:
Customer's name:
Contact number:
Customer's address:

【Warranty period and terms】
1. The product is guaranteed for one year from the date of receipt;
2. The following conditions are not covered by the warranty, but can be paid for repairs;
Abnormalities caused by human damage or improper use; Damage caused by unauthorized disassembly, modification or repair;
Electronic components are dirty, damaged, etc.
3. Please make sure to leave your phone and fault description during the warranty.