Type-C+USB2.0 to RS232/ RS485/RS422 Serial Cable

User manual

Browser scan code to
download the product driver file.

I. Product Introduction

As the continuous development of the PC industry, various larger peripheral interfaces of old PCs (such as DB9 serial interface) are gradually being can celled. However, many important devices in the industrial environment need to use RS485 interfaces to realize data communication, so many users want use Type-C to RS232/485/422 converter to realize the data transmission between PC and RS232/485/422 equipment.

This universal Type-C to RS232/485/422 converter requires no external power supply and is compatible with Type-C and RS232/485/422 standards. It can convert single-ended Type-C signals to RS232/485/422 signals, providing 600W surge protection power per line, and the surge voltage generated on the line for various reasons and the extremely small inter-electrode capacitance ensure the high-speed transmission of the RS232/485/422 interface. The RS232/485/422 end is connected through the DB9 male connector . The converter is equipped with zero-delay automatic transmission and reception conversion, and the unique I/O circuit automatically controls the direction of data flow.

The Type-C to RS232/485/422 converter can provide reliable connection for point-to-point and point-to-multipoint communication. Each RS485 point-to-multipoint converter can connect up to 256 RS485 devices, and the RS485/422 communication rate is 300bps up to 3Mbps, RS232 communication rate is 300bps to 115200bps. Products are widely used in industrial automation control systems, access control systems, attendance systems, credit card systems, building automation systems, power systems, and data acquisition systems.

II . Product Parameters

1. RS485/422 communication rate: 300bps to 3Mbps.
2. RS232 communication rate from 300bps to 115200bps.
3. RS485 can connect up to 256 RS485 devices.
4. Data bits: 5,6,7,8.
5. Check digit: Even, Odd, None, Mark, Space.
6. Stop bit: 1, 1.5,2.
7. Transceiving buffer: receiving 512 bytes, sending 512 bytes.
8. ±8KV, IEC61000-4-2 contact discharge
   ±15KV, IEC61000-4-2 air gap discharge
   ±15KV, EIA/JEDEC human body model discharge.
9. Support DC 5V power output (the output current is determined by the computer USB output).
10. Standard: Comply with USB2.0 standard, RS232/485/422 standard.
11. Support: Windows, Mac, Linux (no driver for Linux kernel 4.0 or higher).
12. Use environment: -20°C to 80°C, relative humidity is 5% to 95%.

III. Installation Details

DB9 Male Pin definition			
PIN	Definition	PIN	Definition
1	RS485A	5	GND
2	RS485B	7	RS232-RXD
3	RS422A	8	RS232-TXD
4	RS422B	9	DC 5V

Terminal pin definition			
Position	Definition	Position	Definition
RS485A	RS485A Communication Interface	DC 5V	Power output
RS485B	RS485B Communication Interface	GND	Grounded
RS422A	RS422A Communication Interface	RS232 TX	RS232 sender
RS422B	RS422B Communication Interface	RS232 RX	RS232 receiver

IV. Installation Matters

RS485 Connection diagram

RS422 Connection diagram

RS232 Connection diagram

V. Packaging And Accessories

1. Product *1
2. Terminal block*1

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Manual

Step 1: Put the mouse on the "Computer" icon, click the "right mouse button", and then click "Properties"

Step 2: Click the "Device Manager"

Step 3: When the driver is not installed, you can see the following information on the device manager

Step 4: Before installing the driver, check the computer system

Step 5: After confirming the system, open the "Drive CD" that comes with this product, the content of the CD is shown

Step 6: Select the corresponding system file to install (take windows 7_64 bit system as an example)

Step 7: Enter the folder and double-click the "CP210xVCPInstaller_x64" file

Step 8: Please click'Next'

Step 9: please click "I accept this agreement", and then click "Next"

Step 10: The driver is being installed, please wait

Step 11: The driver installation has been completed, please click "Finish"

If you need to change the port number, please do as follows

Step 1: Open the device manager, you can see the current device port number is "COM3", select "Silicon Labs CP210xUSB to UART Bridge (COM3)", click the right mouse button

Step 2: click"properties"

Step 3: click "port settings"

Step 4: click "Advanced"

Step 5: click "COM Port Number"

Step 6: Select the port number you want to modify (take port COM2 as an example)

Step 7: After selecting the port "COM2", click "OK"

Step 8: Click "Ok"

Step 9: In the device manager, you can see that the port has been modified to port "Silicon Labs CP210xUSB to UART

Product Warranty Card

Customer Information

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

Intenance Records

Repair times	Date	Fault	Treatment measures	Repair work NO.

Electronic products are guaranteed for one year, and other products are guaranteed for two years. Damage caused by human factors or product burnout caused by improper operation is not included in the scope of warranty.