DIKWAN

Instruction manual



Dongguan Aigun Industrial Co.,Ltd

Parameter

- Input: USB 2.0-AM
- Output: DB9 male, using with terminals
- Complant with USB 2.0 standard and backward compatible with USB 1.1
- Serial Port Standards: RS-422 and RS-485 standards
- USB Signal: VCC、DATA+、DATA-、GND
- RS-485 Signal: T/R+、T/R-、GND
- RS-422 Signal: TXD+、TXD-、RXD+、RXD-、GND
- Baud Rate: 300-921600bps
- Transmission Distance: 1200m(9600bps)
- Support: Windows 7/8/10/11 / Mac OS / Linux system

Packing List

U	sb to RS485/422 Converter	1pcs
T	erminal Block	1pcs
U	ser Manual	1pcs
С	ertificate Of Qualification	1pcs

Product Details



Driver Installation

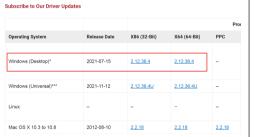
The product is driver-free for Windows 7 and above. If the system can't install drivers correctly or we are now using other operating systems, we need to install drivers manually. Driver's download link from FTDI offical website: http://www.ftdichip.com/drivers/Vcp.htm Instalation guidance: http://www.ftdichip.com/Support/documents/Installguides.htm

Step 1: Navigate to the Drivers-FTDI official website and select "VCP Drivers" in the navigation bar

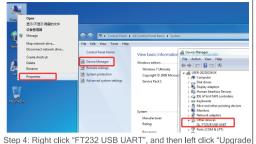


Step 2: Select the driver according to your system, and then download it.

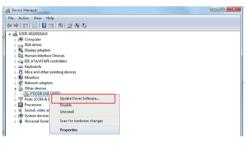
Currently Supported VCP Drivers:



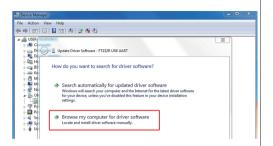
Step 3: Right click "computer", and then left click "Properties" and "Device Manager". Here you can see the faulty hardware with exclamation point.



driver software"



Step 5: Left click "Browse my computer for driver software".



Step 6: Left click "browse" and locate the driver folder. Then left click "OK" and "Next",

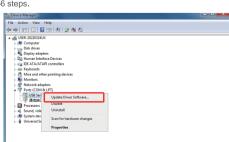


Step 7: After installation, you will see a successful message! Left



click"Close".

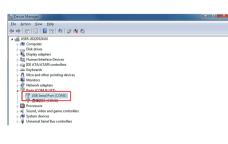
Step 8: Refresh the device manager page, and you will see a new project "USB Serial Port" with exclamation point. Now you need to install a second driver from the same driver folder according to the 4-6 steps.



Step 9: After completing these steps, you will see another successful message! Left click "Close".



USB Serial Port (COMxx) where xx is a number. Congratulations, you have the right FTDI driver now and can start using your device.

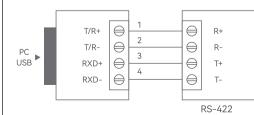


RS-485/422 Pin Assignment for the Output Signal & Terminals Block

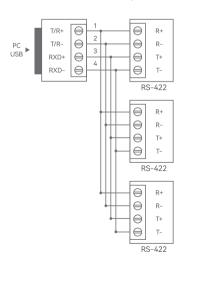
Terminals	Output Signal	RS-422 Full Duplex	RS-485 Half Duplex
1	T/R+	RS-422(A+)	RS-485(A+)
2	T/R-	RS-422(B-)	RS-485(B-)
3	RXD+	RS-422(A+)	-
4	RXD-	RS-422(B-)	-
5	GND	GND	GND

How It Works

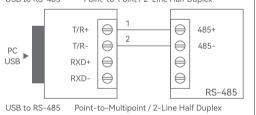
USB to RS-422 Point-to-Point / 4-Line Full Duplex

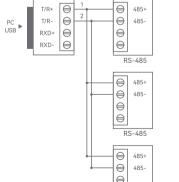


USB to RS-422 Point-to-Multipoint / 4-Line Full Duplex



Point-to-Point / 2-Line Half Duplex USB to RS-485





Failure Elimination 1. Data communication failure

- Check the USB port with correct connection;
- Check the RS-485/422 output port with correct connection;
- Check the terminal blocks with correct connection:
- Check the power.

2. Data loss or fault

• Check the data rate and format of the both ends of the data communication device are consistent.

Note

Using with terminal block.