USB2.0 to RS232 serial cable
Manual

USB2.0 to RS232 Serial

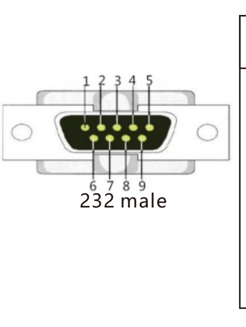
Ⅰ.Product introduction

This product is an enhanced universal asynchronous transceiver transmission standard USB2.2 to RS232 serial port product. The USB interface fully complies with the full-speed USB2.0 specification and supports full-speed data transmission rate. The serial port complies with the RS232 standard interface. The wire is provided with aluminum foil and 64B tinned. The copper braid is double shielded, which has strong anti-interference and more stable signal. It can be used for RS232 serial devices such as cash registers, LED displays, CNC machine tools, industrial machines, industrial instruments, barcode printers, etc.

Ⅱ. Specification

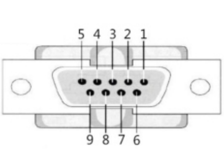
(1) support baud rate of 300~115200bps (can support 1000000bps).
(2) Support for large data receiving and sending buffer function: 256byte sending, 768 byte receiving.
(3) Support data bits: 7, 8, 9, stop bits: 1, 1.5, 2, check bits: Even, None, Odd, Mark, Space.
(4) Automatic hardware (RST/CTS or DTR/DSR) flow control
(5) Support handshake protocol control, MODEM contact signal : DCD, RXD, RXD, DTR, GND, DSR, RTS, CTS, RI.
(6) Anti-electromagnetic interference design, USB bus self-powered, plug and play
(7) Circuit integrated ESD protection: ±15KV IEC1000-4-2 air gap discharge.
±8KV IEC1000-4-2 contact discharge.
(8) Support WindowsXP, Win7, Win8, Win10, Mac system.

Ⅲ. Pin Definition;Link Diagram



232 male

DB9 type	Serial port pins	Communication code	Transmission direction	Function description
DB9male	1	DCD	I	Carrier Detect
	2	RXD	I	Data reception
	3	TXD	O	Data sending
	4	DTR	O	Data Terminal Ready
	5	GND		Ground (GND)
	6	DSR	I	Data Device Ready
	7	RTS	O	Request to send
	8	CTS	I	Clear to Send
	9	RI	I	Ringing indication



232 female

DB9 type	Serial port pins	Communication code	Transmission direction	Function description
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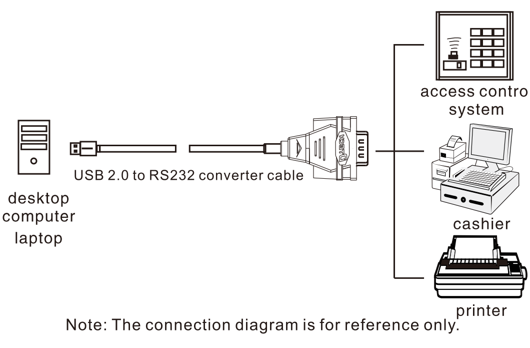
Scope of application
Suitable for connecting computers and various serial devices

Cashier	PLC	Access control system	ISBN printer
Scanner	PLAM	CNC machine tools	External modem
Tax control machine	Writing board	Temperature control equipment	LED Display screen
Programming machine	Touch screen	Industrial instrument	Industrial control machine



Note: The connection diagram is for reference only.

Ⅳ. Product accessories

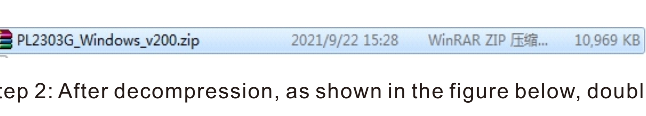
(1) USB2.0 to RS232 Cable/1 PCS
(2) Product scan code card/1 PCS

PL2303 G series Driver Installation
instruction

Ⅰ. Introduction to the installation of drive steps

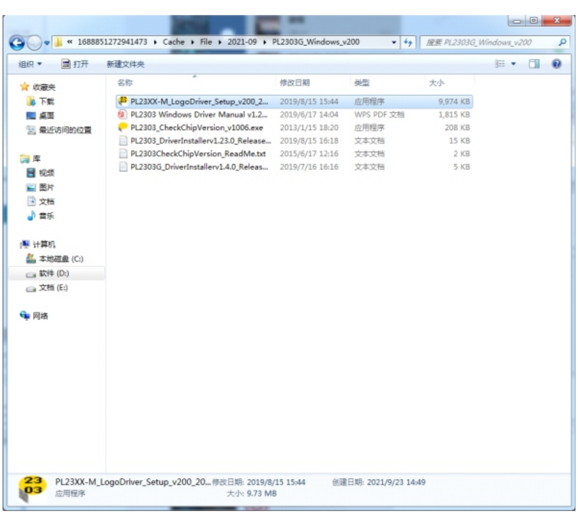
(1)Scan the scan code card attached to the product to download and install the driver through the official website

Step 1:Download the driver installation package, click the PL2303G _Windows_v200.zip compressed package, and unzip it.

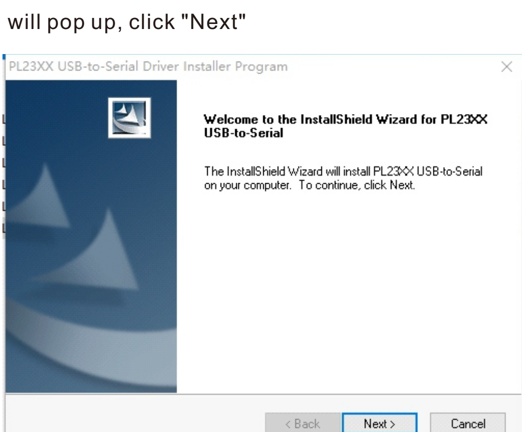


PL2303G_Windows_v200.zip 2021/9/22 15:28 WinRAR ZIP 压缩... 10,969 KB

Step 2: After decompression, as shown in the figure below, double-click the application window.



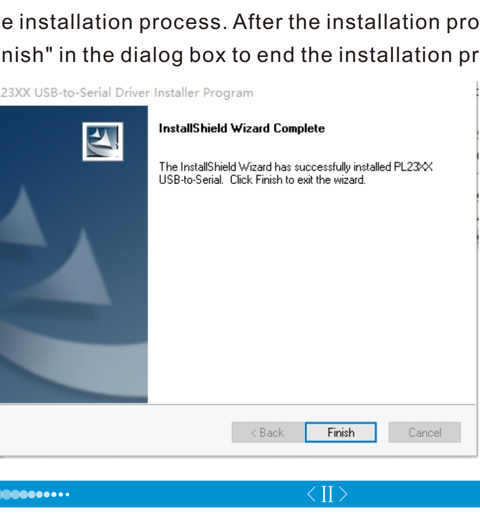
Step 3: Double-click to run the program, the installation dialog box will pop up, click "Next"



Welcome to the InstallShield Wizard for PL23XX USB-to-Serial

The InstallShield Wizard will install PL23XX USB-to-Serial on your computer. To continue, click Next.

Step 4: After clicking "Next", the system will automatically complete the installation process. After the installation process is over, click " Finish" in the dialog box to end the installation process

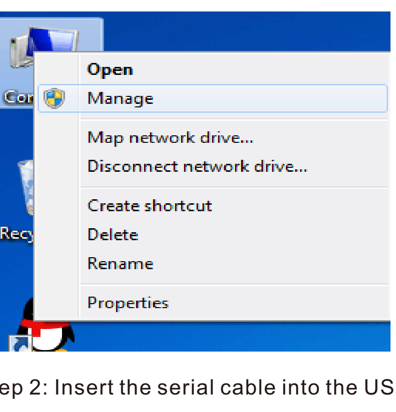


InstallShield Wizard Complete

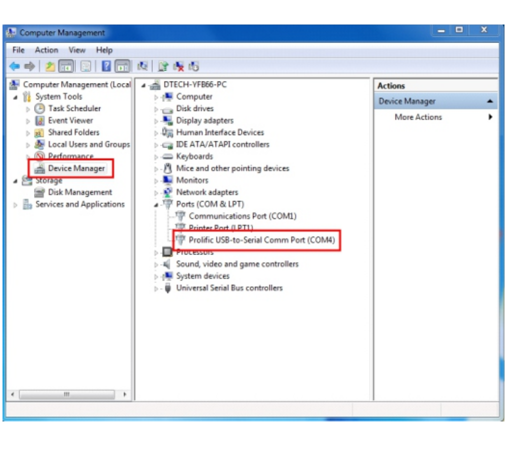
The InstallShield Wizard has successfully installed PL23XX USB-to-Serial. Click Finish to exit the wizard.

(2) Set the port number in the device manager

Step 1: Right-click "Computer" and select "Manage".

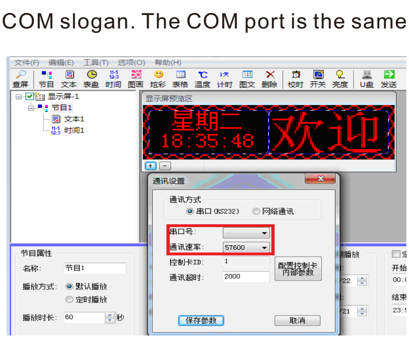


Step 2: Insert the serial cable into the USB port of the computer, select "Device Manager" in the "Management", and in the "Device Manager", the "Port" item can check that the serial cable has been installed with the driver. And pop up the "COM" port.

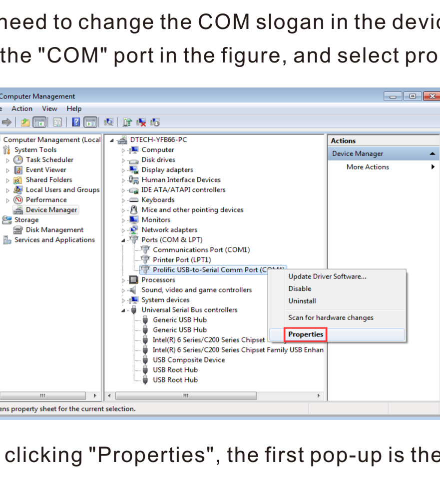


If the driver cannot be seen in the "Device Manager" after plugging in the serial cable, but "unknown Device" is displayed, replace the computer with another USB port for testing. If this happens, it may be that the serial cable is faulty. It is recommended to return to the factory for replacement.

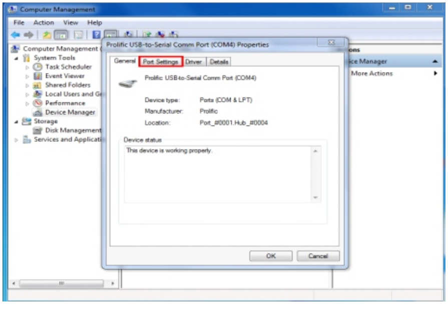
Step 3: Seeing that the device manager recognizes the COM slogan, it may not be able to connect with the communication device. The picture below is the application software of a certain LED display. You can set the port in the software to change the COM slogan. The COM port is the same.



Step 4: If there are no more COM ports to choose from in the software, or the selected COM port still cannot be connected, then you need to change the COM slogan in the device manager, right-click the "COM" port in the figure, and select properties.

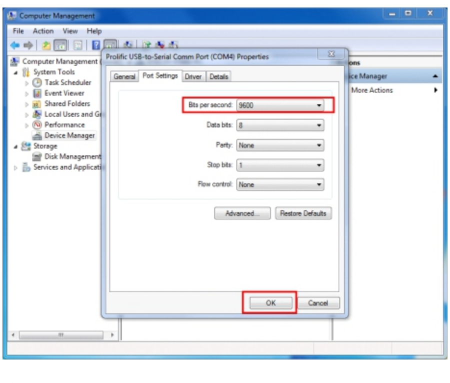


After clicking "Properties", the first pop-up is the general column. The device status shows "This device is working normally" indicating that there is no problem with the driver installation, and then click "Port Settings".



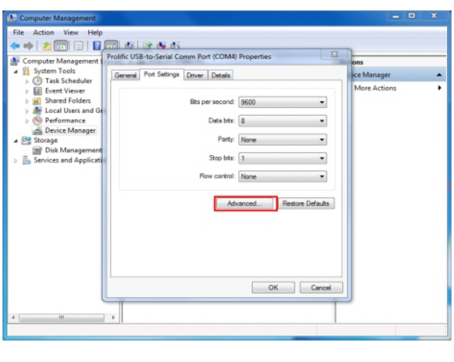
Device type: Ports (COM & LPT)
Manufacturer: Prolific
Location: Port_#0001.Hub_#0004
Device status
This device is working properly.

After clicking "Port Settings", "Bits/Second" is the parameter setting of the baud rate. If you need to change it, you can change the baud rate of this serial line, and then click "OK".

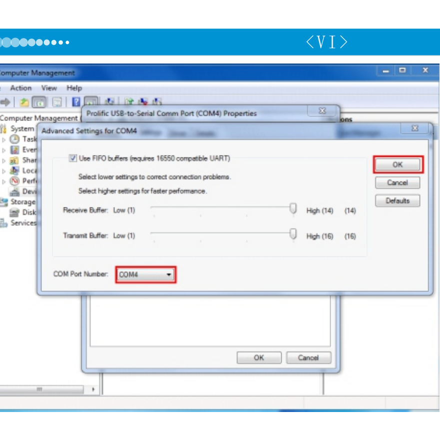


Bits per second: 9600
Data bits: 8
Parity: None
Stop bits: 1
Flow control: None

If the user needs to change the serial port port, you need to click "Advanced Settings" in "Port Settings".

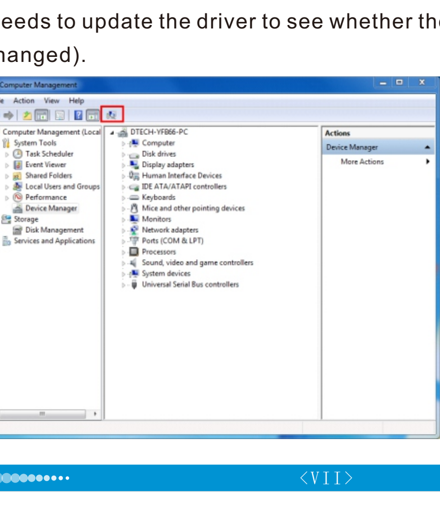


In the "Advanced Settings", you can see the "COM Port Number " setting, click the "COM Port Number" option to change the port number of the serial cable.



Use FIFO buffers (requires 16550 compatible UART)
Select lower settings to correct connection problems.
Select higher settings for faster performance.
Receive Buffer: Low (1) High (14) (14)
Transmit Buffer: Low (1) High (16) (16)
COM Port Number: COM4

After setting the port number of the serial cable, you can return to the "Device Manager" to check whether the serial cable has changed the port number. If the port number still cannot be changed, you can click Update Driver in the upper right corner of the "Device Manager" Icon to update (generally win7 system will automatically update the port number after setting up, XP system needs to update the driver to see whether the port number has changed).



So far, the whole process of installing and using the serial cable has been introduced. If the serial cable installation fails, or there is an "exclamation mark" in front of the COM port, it can be tested on other computers. If the same phenomenon occurs, it is recommended to return to the factory for repair. If there is a communication problem during use, please check whether your plug is in good contact, whether the port number is wrong, whether the baud rate has been changed, etc.; you can also turn off the power and restart the device, or let the device recognize the serial line, etc. Other ways to troubleshoot, but also do not eliminate compatibility issues.

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.