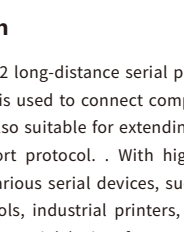


# USB to RS232 Long Distance Serial Port Cable



product driven

[https://www.dtechelectronics.com/front/downloads/downloadssearch/user\\_downloadscat\\_id/0/search\\_value/FT232](https://www.dtechelectronics.com/front/downloads/downloadssearch/user_downloadscat_id/0/search_value/FT232)

## I. Product Description

This product is a USB to RS232 long-distance serial port cable. It is a 9-pin serial port extension cable. The product is used to connect computers with serial port interfaces and serial port devices. It is also suitable for extending the USB to serial port cable. It supports the RS232 serial port protocol. With high compatibility, it can connect notebooks and desktops to various serial devices, such as computers and tax control machines, digital machine tools, industrial printers, surveillance cameras, scanners, industrial instruments and other serial devices for communication functions. Easy direct connection, plug and play. Multi-layer shielding for anti-interference.

## II. Specifications

- The product has receiving and sending indicator lights and is a USB to RS232 long-distance serial port cable.
- The product cable length supports the corresponding baud rate:
  - 5~25 meters: 300bps-921600bps,
  - 26~40 meters: 300bps-460800bps,
  - 41~50 meters: 300bps-256000bps,
  - 51~60 meters: 300bps-115200bps.
- The cable uses aluminum film shielding and 26AWG tinned copper wire.
- Use imported FT original chips, standard serial port protocol, and support MODEM contact signals.
- Applicable scenario applications: industrial automation control systems, access control systems, power control systems, parking systems, etc.

## III. Interface Description



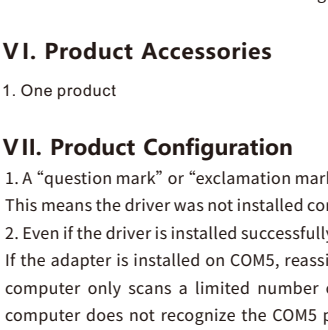
DB9 Male header definition

DB9 needle	Output signal	Describe
1	DCD	Carrier detection
2	RXD	Receive data from external devices
3	TXD	Send computer data to external devices
4	DTR	The data terminal is ready when this pin is high, Notify Modem that data transmission is possible
5	GND	Signal ground, used for grounding
6	DSR	The data device is ready, When this pin is high, it notifies the computer Modem is ready for data communication
7	RTS	Request is sent, controlled by the computer, to notify the Modem Immediately transfer data to your computer
8	CTS	Clear Send, controlled by Modem to notify the computer Send the data to be transmitted to the Modem
9	RI	Ringing prompt, Modem notifies the computer that there is a call coming in

## IV. Schematic Diagram Of Product Connection



## V. Product Accessories



In some industrial control systems, multiple devices need to be connected to the same computer for centralized control. A USB to RS232 converter makes this connection easy, allowing different types of devices to communicate with your computer. For example, in the control system of a sewage treatment plant, multiple sensors and controllers may need to be connected. They can be connected to the monitoring computer through a converter to achieve real-time monitoring and control of the sewage treatment process.

## VI. Product Accessories

- One product

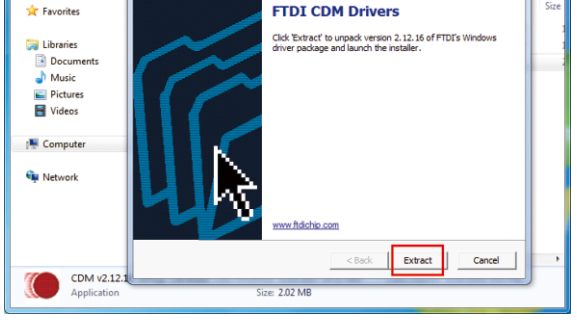
## VII. Product Configuration

- A "question mark" or "exclamation mark" will appear after the serial port (COMX): This means the driver was not installed correctly. Please delete the project and install it.
- Even if the driver is installed successfully, the device cannot work: If the adapter is installed on COM5, reassign it to COM1, 2, 3 or 4. It is possible that the computer only has a limited number of COM ports (e.g. 3 or 4) and therefore the computer does not recognize the COM5 port with this limitation until the COM port is reassigned.

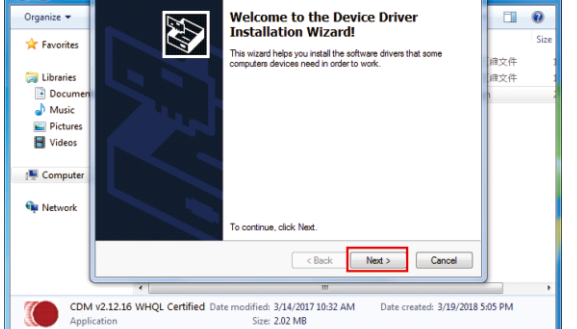
## VIII. FTDI Series Serial Port Driver Operation Guide

Take win7 64-bit operating system as an example

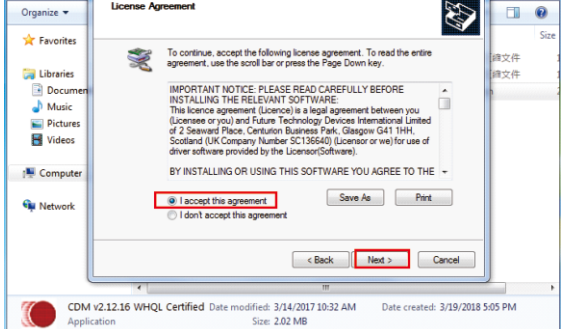
Step 1: Open the folder and select the "windows" folder. As shown in the picture:



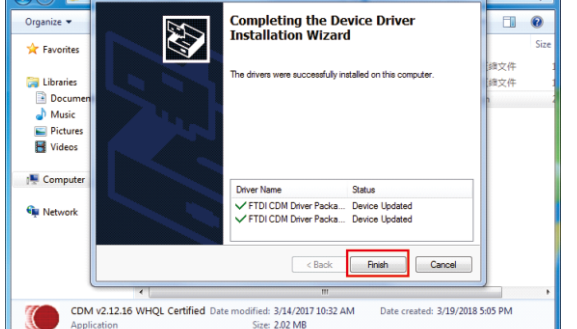
Step 2: After double-clicking the "windows,7,8,10" folder, the installation project will pop up, double-click "Applications", as shown in the figure:



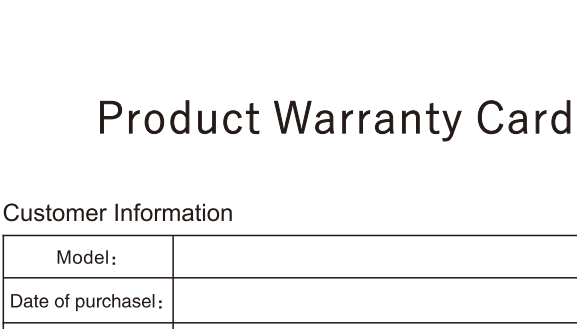
Step 3: After double-clicking "Application", the chip company name information will pop up. Click "Extract" as shown in the figure:



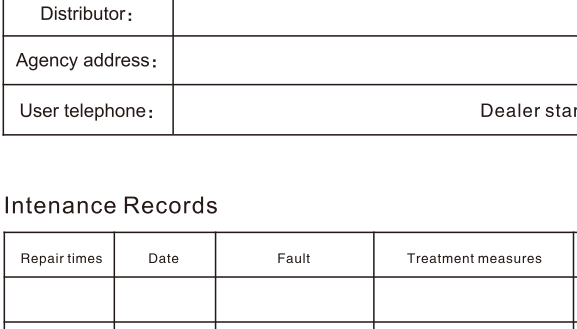
Step 4: Then the driver installation wizard prompt window will pop up, click "Next", as shown in the figure:



Step 5: Select "I accept this agreement" and click "Next", as shown in the figure:



Step 6: A pop-up window will pop up indicating that the driver installation has been completed, click "Finish", as shown in the figure:



# Product Warranty Card

## Customer Information

Model:	
Date of purchase:	
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.