

# IOT5089(PL) USB to RS232 Ten-light Serial Cable

Please read the product manual carefully before using the product.

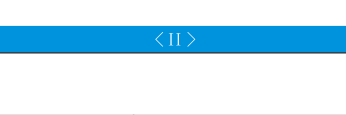
## I. Product overview

This product is a high-performance USB to RS232 ten-light serial port conversion cable, designed to meet the communication needs between modern computers and traditional RS232 devices. It uses a high-performance conversion chip that can stably and efficiently convert the USB interface signal into RS232 signal to achieve seamless data transmission. The product has ten signal indicator lights and comes with a product driver to provide users with a convenient user experience without downloading the driver. The ten signal indicator lights can intuitively display the power status, data reception and transmission direction, and the working status of each signal line, which is convenient for users to monitor the operation of the equipment in real time and find and solve problems in time.

## II. Function parameters

- USB2.0 standard, supports hot plugging, plug and play; compatible with EIA/TIA RS232 standard.
- Support baud rate: 300bps-921600bps.
- The product has ten signal status indicators to display the power status, data transmission and reception, transmission direction and the working status of each signal line, which is very convenient for engineers to check the communication status of each signal during debugging.
- Support MODEM contact signals, DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS, RI.
- The built-in product driver package does not require you to download the driver from the official website.
- Electrostatic ESD protection: ±15KV IEC1000-4-2 air gap discharge, ±10KV IEC1000-4-2 contact discharge.

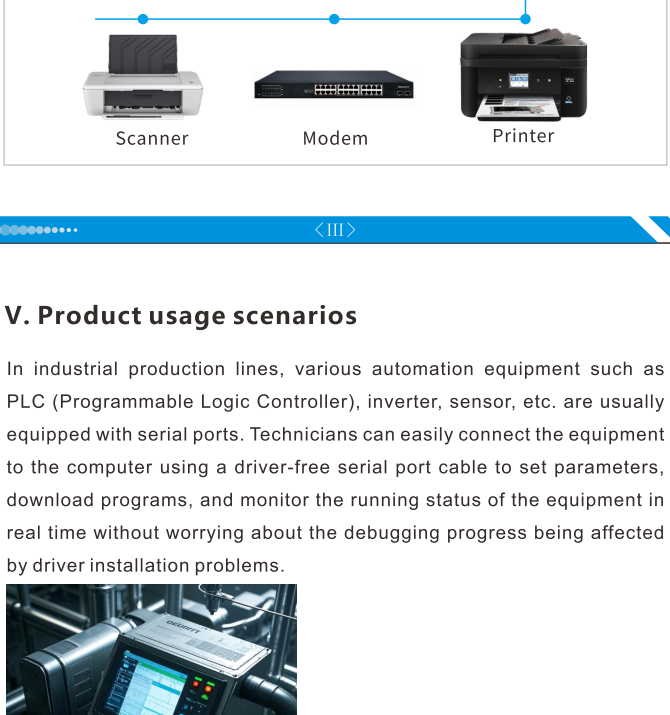
## III. Interface description



### DB9 male connector definition

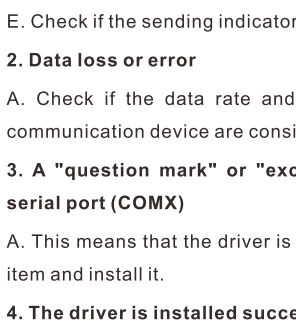
DB9 needle	Output signal	Signal description
1	DCD	Carrier detection
2	RXD	Receive data from external devices
3	TXD	Send computer data to external devices
4	DTR	The data terminal is ready. When this pin is high, it notifies the modem that data transmission is possible.
5	GND	Signal ground, used for grounding
6	DSR	Data device is ready. When this pin is high, it notifies the computer that the modem is ready for data communication.

## IV. Product connection diagram



## V. Product usage scenarios

In industrial production lines, various automation equipment such as PLC (Programmable Logic Controller), inverter, sensor, etc. are usually equipped with serial ports. Technicians can easily connect the equipment to the computer using a driver-free serial port cable to set parameters, download programs, and monitor the running status of the equipment in real time without worrying about the debugging progress being affected by driver installation problems.



## VI. Product accessories

- Product \*1

## VII. Product accessories

### 1. Data communication failed

- Check whether the USB interface wiring is correct.
- Check whether the RS232 interface wiring is correct.
- Check whether the USB power supply is normal.

- Check if the receiving indicator light flashes when receiving.
- Check if the sending indicator light flashes when sending.

### 2. Data loss or error

- Check if the data rate and data format at both ends of the data communication device are consistent.

### 3. A "question mark" or "exclamation mark" will appear after the serial port (COMX)

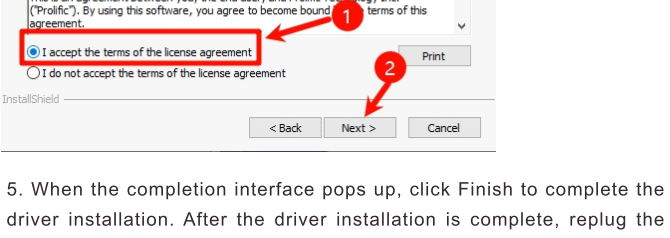
- This means that the driver is not installed correctly. Please delete the item and install it.

### 4. The driver is installed successfully, but the device does not work

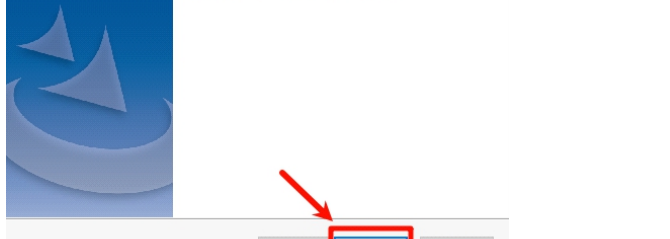
If the product is assigned to COM5, please reassign it to an unoccupied port number.

## VIII. Product accessories

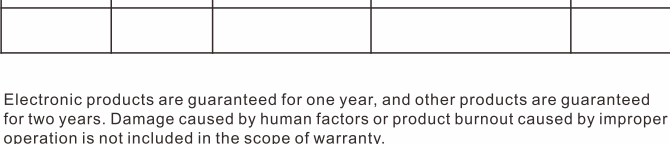
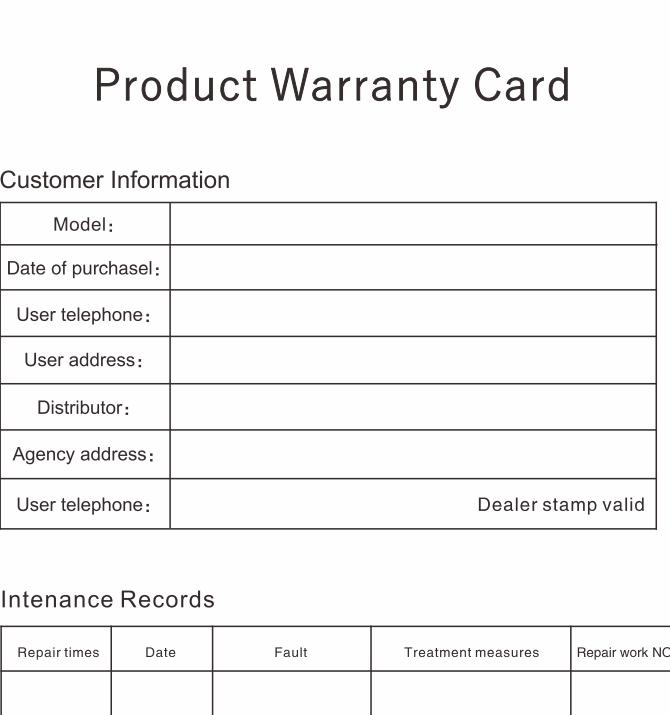
- Double-click to open the product storage space.



- Right-click and select the driver file and run it as an administrator.



- After waiting for the progress bar to complete, select Next.



# 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.