



**USB/RS232/RS485**

**Serial Bluetooth adapter**

## USB/RS232/RS485 serial port Bluetooth adapter

Although direct serial communication on the market is relatively simple, there is an obvious disadvantage that a wired connection is required, which is usually not convenient. Then wireless communication solutions are needed. The popularization and development of Bluetooth technology provides a low cost for traditional devices. This way of wireless communication. Serial port as a widely used communication interface, through serial port to Bluetooth, wireless communication transmission needs. Gradually show it. This product is a Bluetooth serial port, support broadcast mode, host mode and slave mode, support Bluetooth BLE4.2. Support serial port AT configuration and Bluetooth communication configuration in slave mode, support MODEM contact signal, serial port baud rate up to 1Mbps. Bluetooth slave mode can be set Bluetooth name, manufacturer information and other parameters, can be easily configured through the APP or serial port command, convenient and fast. This product is easy to use and carry, and is widely used in logistics communication, surveying and mapping, medical equipment, clocking-in systems and other fields.

### 1. This series has 3 different interfaces

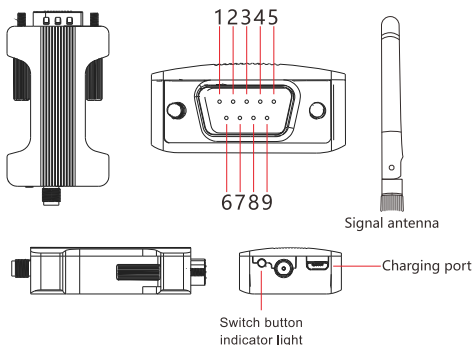
Product name	Port
IOT5064	USB interface
IOT5064A	RS485 interface
IOT5064B	RS232 interface

## 2. Product parameter

1. Support broadcast mode, host mode, and slave mode.
2. Supports serial port AT configuration and Bluetooth transmission configuration.
3. Support Bluetooth adapter and serial port Bluetooth communication.
4. Support the Windows/Linux/Android/iOS system, such as bluetooth host connection.
5. With low power consumption mode, RS232/485 charge lasts 8 hours.
6. The transmission distance can be 100 meters under effective use environment.
7. The transmission power can be adjusted through the AT configuration.
8. The baud rate for asynchronous serial port communication is 115200bps for RS232 and 1Mbps for RS485.
9. With status indicator, easy to check the communication status.

## 3. Interface description

RS232-DB9 pin type

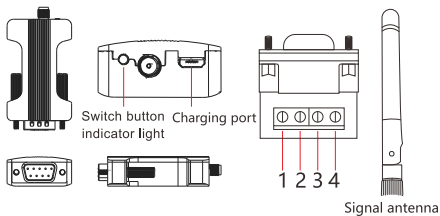


Pin No	Signal
1	DCD
2	RXD
3	TXD
4	DTR
5	CND
6	DSR
7	RTS
8	CTS
9	RI

### Indicator working status:

1. Blue light shining: Bluetooth slave mode (to be paired)
2. The blue indicator is off: The Bluetooth is connected
3. Blue indicator light long on: Bluetooth host mode (set to host mode)
4. The blue indicator light flashes for a short time: Bluetooth is receiving and sending data communication

## RS485 pin type

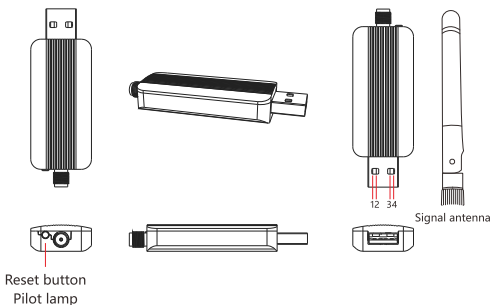


Pin No	Signal
1	RS485 A
2	RS485 B
3	GND
4	DC5V IN

### Indicator working status:

1. Blue light shining: Bluetooth slave mode (to be paired)
2. The blue indicator is off: The Bluetooth is connected
3. Blue indicator light long on: Bluetooth host mode (set to host mode)
4. The blue indicator light flashes for a short time: Bluetooth is receiving and sending data communication

## USB



Pin No	Signal
1	D-
2	D+
3	USB5V
4	GND

### Indicator working status:

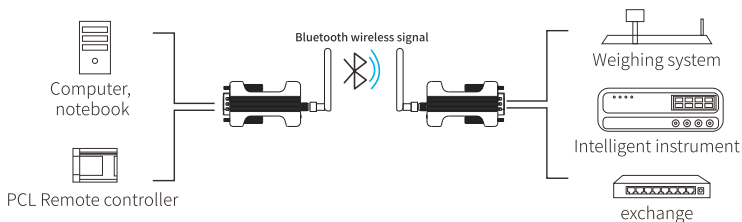
1. Blue light shining: Bluetooth slave mode (to be paired)
2. The blue indicator is off: The Bluetooth is connected
3. Blue indicator light long on: Bluetooth host mode (set to host mode)
4. The blue indicator light flashes for a short time: Bluetooth is receiving and sending data communication

## 4. Packaging accessories

- (1) Product
- (2) Built-in lithium battery (optional)
- (3) Bluetooth antenna

## 5. Bluetooth application solution

### Bluetooth adapter connection diagram



## 6. Setup and use

Scan the left QR code to understand that the Bluetooth adapter can be configured with serial port parameters and data communication, and scan the right QR code to install USB Bluetooth adapter driver



Scan code to download Bluetooth adapter software and configuration



Scan code to download USB Bluetooth adapter driver

**Note:**

When using the RS232 Bluetooth serial adapter or RS485 Bluetooth serial adapter with a built-in battery for the first time, it must be fully charged. When the green light is on after connecting to the power supply, it indicates that it is in charging mode. If the green light goes out, it means the Bluetooth adapter is fully charged (products without a battery require an external power supply to operate).

The USB Bluetooth serial adapter does not require charging, but the driver must be installed before use.

**Battery charging instructions:**

The RS232/485 product has a built-in rechargeable lithium battery. When it needs to be charged, the charging cable is connected to the computer and the Micro port of the product. When the battery is charged, it will light up the built-in green light tube, which can be seen in the charging port, and the indicator light will be extinguished and the protection will be no longer when the charge is full Charge the battery to prevent overcharging problems.

# 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.