Introduction of Bluetooth module

15.5mm

37mm

7mm

RXD TXD GND VCC
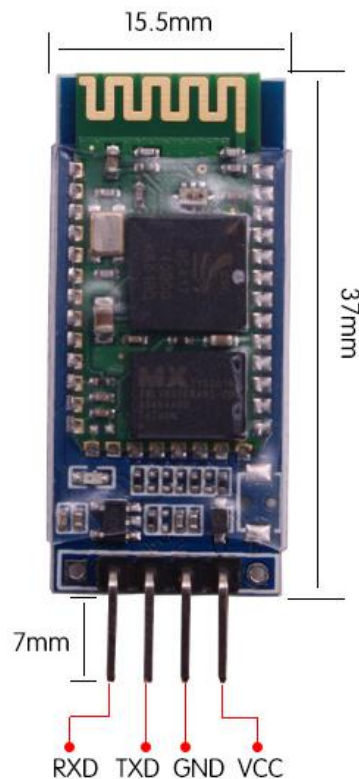
PCB size: 37mm (length) *15.5mm (width)
Weight: 3.5G
Input voltage: 3.6V-6V
effective transmission distance: 10M
default baud rate: 9600
default password: 1234
default name: HC-06
VCC: Connect the positive pole of the power supply
GND: Connect the negative pole of the power supply
RXD: Receiver, Bluetooth module receives and sends from other devices data, normally connected to the sender TXD of other devices.
TXD: At the transmitting end, the Bluetooth module sends data to other devices;
Normally, the receiver RXD of other devices is connected.

Product Features:
1. The core module is the Bluetooth slave module. The lead-out interface includes VCC, GND, TXD, RXD. And the LED status output pin is reserved, the MCU can judge whether the Bluetooth is connected by the state of the pin, and the KEY pin is invalid for the slave.
2. Led indicates the Bluetooth connection status, flashing indicates no Bluetooth connection, steady light indicates that Bluetooth is connected and the port is opened
3. The bottom plate 3.3V LDO, the input voltage is 3.6~6V, the current is about

30mA when not paired, about 10mA after pairing, input voltage cannot be greater than 7V.

4. The interface level 3.3V, can be directly connected to a variety of microcontrollers (51, AVR, PIC, ARM, MSP430, etc.), 5V microcontroller can also be directly connected, without MAX232, and it can not go through MAX232!

5. The effective distance of the open space is 10 meters, more than 10 meters is also possible, but the quality of the connection is not guaranteed.

6. When paired, it is used as a full-duplex serial port. It does not need to know any Bluetooth protocol, but it only supports 8-bit data bits, 1 stop bit, and no parity communication format. This is also the most commonly used communication format. Other formats are not supported. .

7. When the Bluetooth connection is not established, the baud rate, name, and pairing password can be set by the AT command, and the set parameters are saved after power-off. Automatically switch to transparent mode after Bluetooth connection.

8. This Bluetooth module possess small size, factory patch production to ensure the quality of the patch. And set of transparent heat-shrinkable tube, dustproof and beautiful, and possess certain anti-static ability.

9. The module is a slave. The slave can be paired with various Bluetooth-enabled computers, Bluetooth hosts, most Bluetooth-equipped mobile phones, PDAs, PSPs, etc., and the slaves cannot be paired.

TXD: The sender is generally represented as its own sender. Normal communication must be connected to the RXD of another device.

RXD: The receiving end is generally represented as its own receiving end, and normal communication must be connected to the TXD of another device.

In normal communication, the TXD of its own is always connected to the RXD of the device!