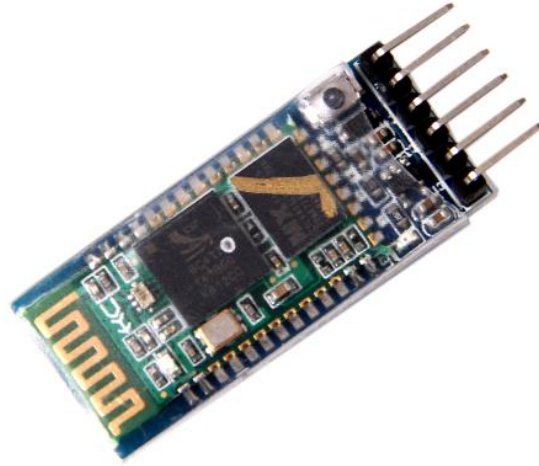


Master/Slave Wireless Bluetooth Model: HC-05



Description:

This class 2 Bluetooth module comes programmed with firmware that allows it to pass the output of a serial communications port (default is 9600 baud) over a Bluetooth wireless connection with no software configuration. The module is mounted on a convenient mezzanine adapter board providing an interface for power and Tx/Rx serial communication. Additionally the module, by use of AT type text commands issued via the serial interface can be reconfigured from its default Bluetooth slave state to a Master state. This means that module can not only communicate with Bluetooth master devices such as PC's and smart phones, but also when in master mode it can automatically pair with a second module in its default slave configuration allowing an end to end serial communication over Bluetooth.

Features:

- Bluetooth Serial Transceiver Module with baseboard.
- Works with any USB Bluetooth adapters.
- Easy to use and completely encapsulated.
- This module includes key interface and state interface compared with Smart Bluetooth Module Baseboard.
- The Bluetooth Module Baseboard can be compatible with master mode, slave mode and both master-slave mode.
- Works for Bluetooth TTL transceiver module which allows your target device to both send or receive the TTL data.
- The key interface on the baseboard is the master mode button and can be controlled by high level from external MCU, then this module will search again automatically.

Specifications:

- Bluetooth protocol: Bluetooth Specification v2.0+EDR
- Frequency: 2.4GHz ISM band
- Modulation: GFSK (Gaussian Frequency Shift Keying)
- Emission power: $\leq 4\text{dBm}$, Class 2
- VCC: 3.6 -6V
- Sensitivity: $\leq -84\text{dBm}$ at 0.1% BER
- Speed: Asynchronous: 2.1Mbps (Max) / 160 kbps, Synchronous: 1Mbps/1Mbps
- Size: 28mm x 15 mm x 2.35mm
- Security: Authentication and encryption
- Profiles: Bluetooth serial port
- Power supply: +5V DC (5.5V max)
- Working temperature: -20 ~ +75 Centigrade