



Arduino ; Raspberry pi ; Micro:bit : Keyestudio

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Keyestudio HC-08 Bluetooth Master Slave Module Transceiver for Arduino Compatible with iOS and Android

KS0355

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USD **\$8.00**

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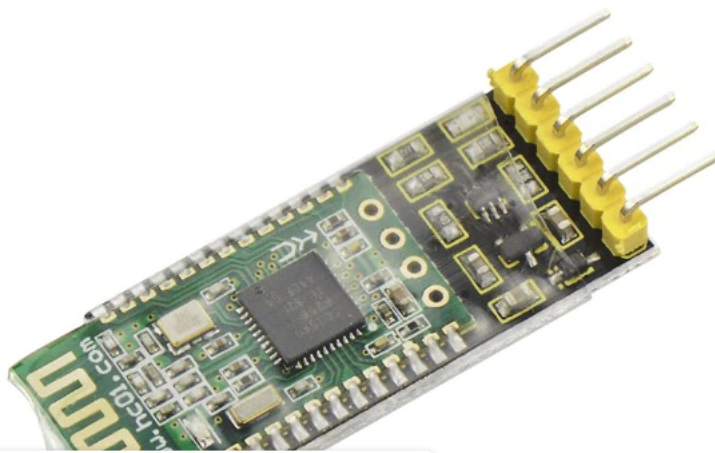
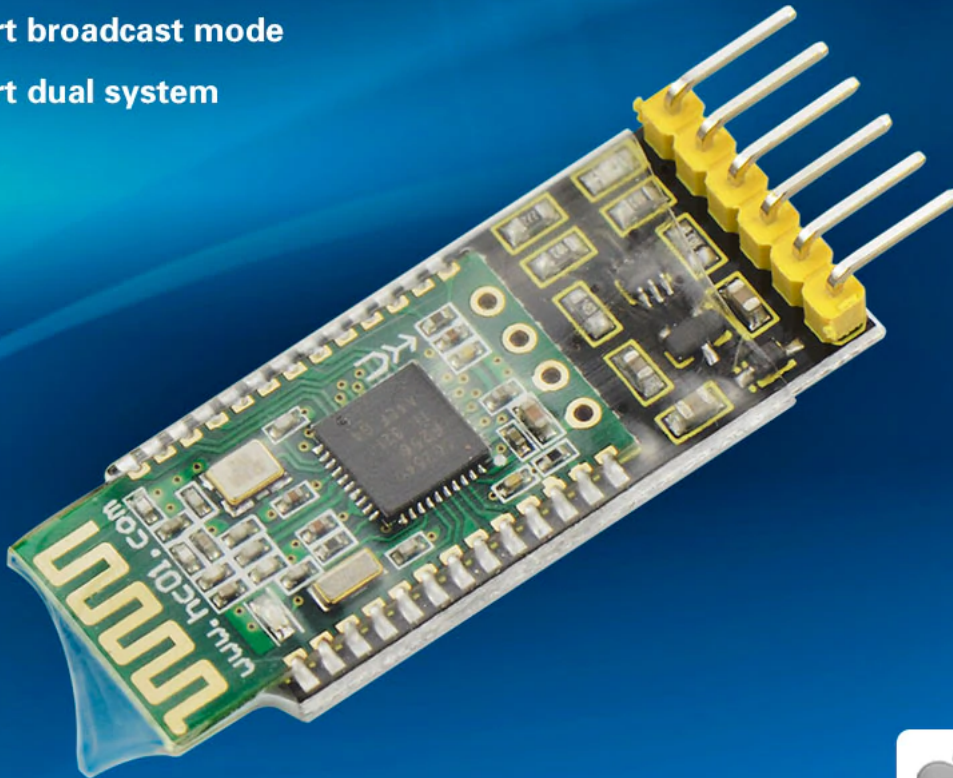
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HC-08 Bluetooth Module

MASTER-SLAVE ONE

- ▶ Small size
- ▶ Low power consumption
- ▶ Support broadcast mode
- ▶ Support dual system



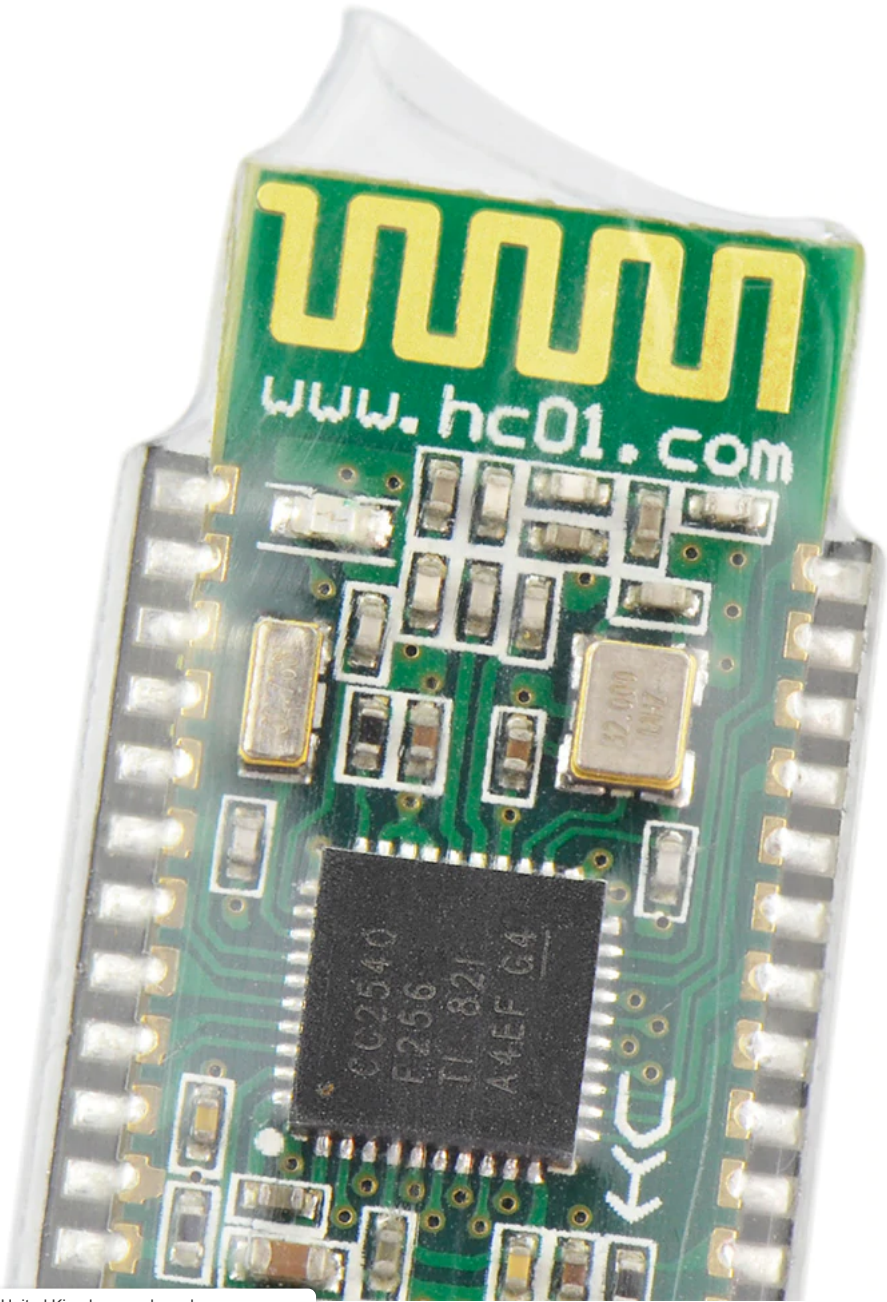
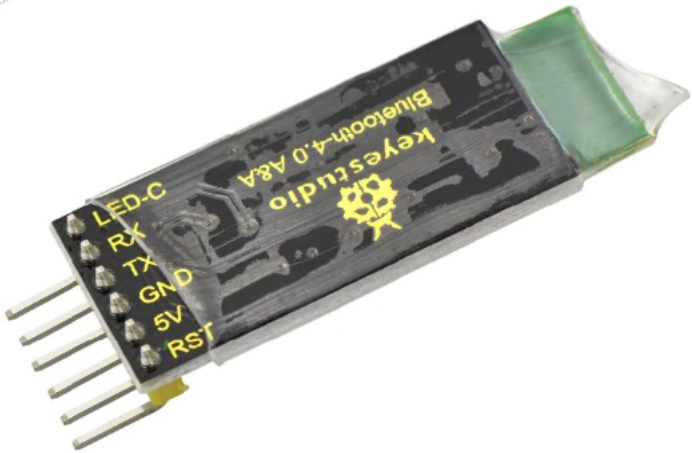
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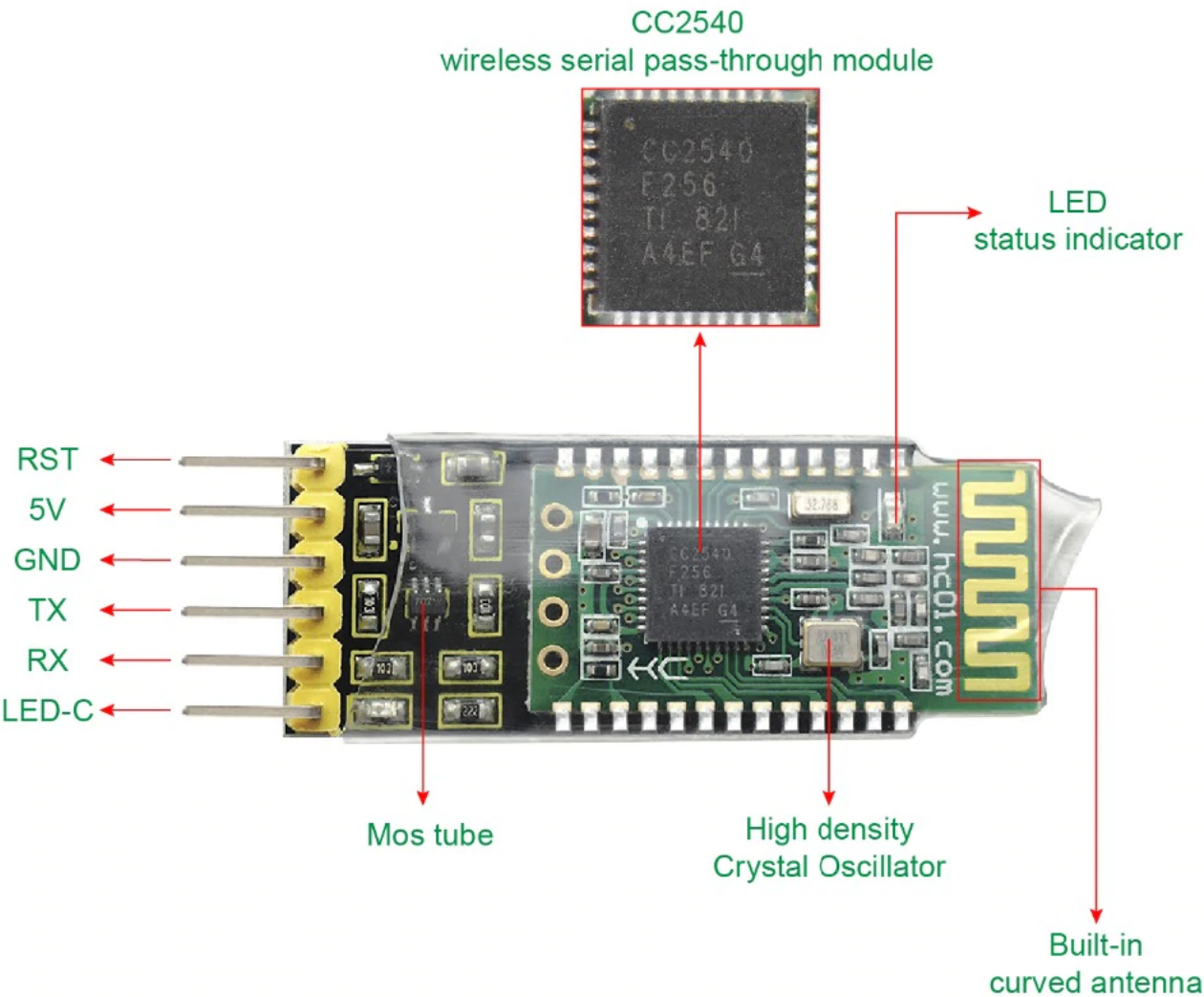
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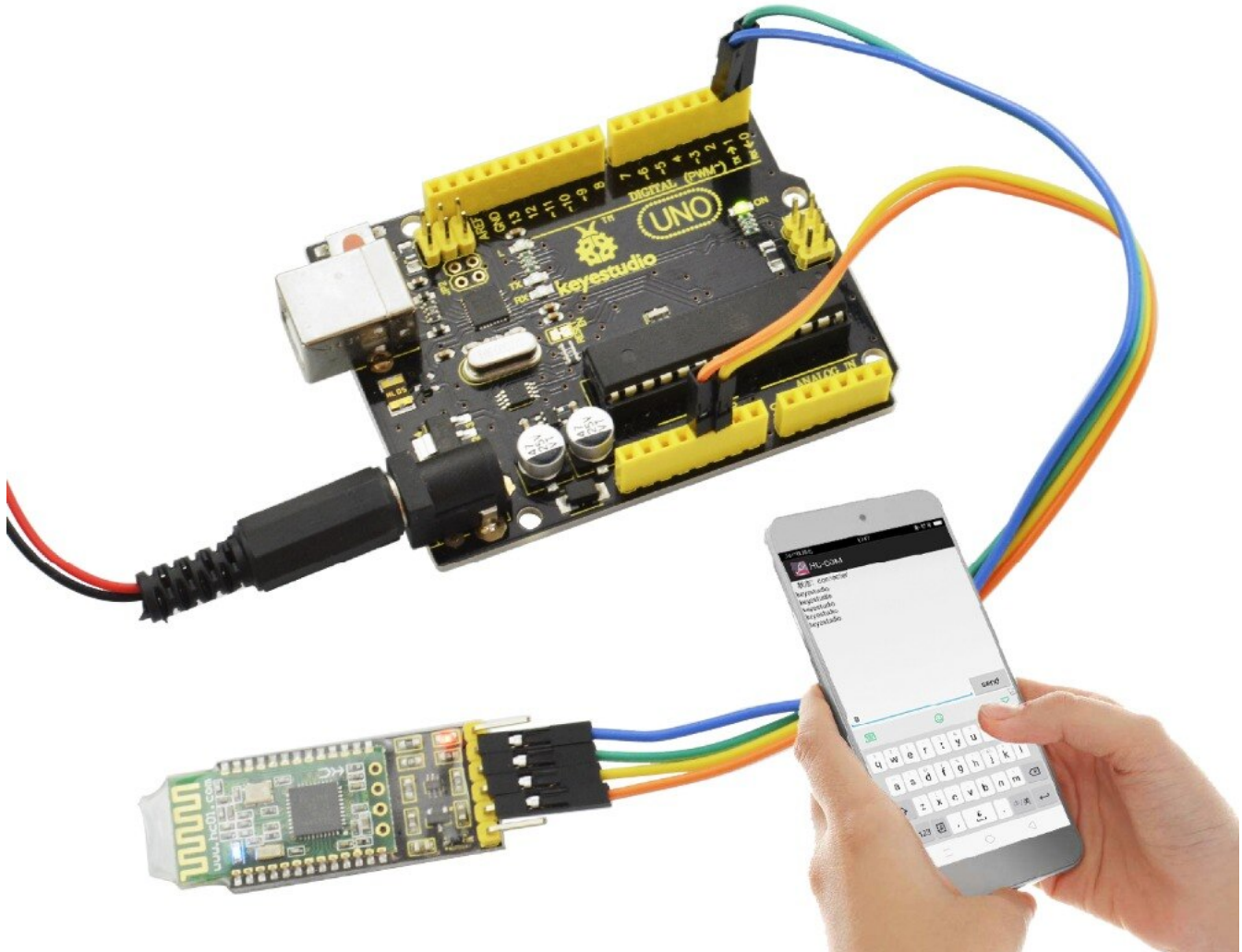
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Bluetooth Communication

Connect the HC-08 Bluetooth module to UNO R3, Bluetooth device connected to Android phone.
Through the phone APP to achieve communication between phone and UNO R3.



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SPECIFICATION

Name	Keyestudio HC-08 Bluetooth Module	Certificate	FCC & CE
Antenna interface	built-in PCB antenna	Air speed	1Mbps
Receive sensitivity	-93dBm@1Mbps	Working voltage	DC 5V
Reference distance	80m	Sleep current	0.4 μ A
Modulation method	GFSK	RSSI support	not supported
Working temperature	-25°C to +75°C	Transmit power	4dBm (default)
Storage temperature	-40°C to +85°C	Working humidity	10% to 90%
Working frequency band	2.4G	Communication level	3.3V
Communication interface	UART3.3VTTL level	Bluetooth version	V4.0
Host not connected / connected	21mA / 9mA	Working current (excluding LED)	
Slave MODE0, not connected / connected			
Slave MODE1, not connected / connected			
Slave MODE2, not connected / connected			
			8.5mA/9mA
			6 μ A ~ 2.6mA / 1.6mA
			0.4 μ A/1.6mA



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OVERVIEW

Keyestudio HC-08 Bluetooth module is a new digital transmission module, based on the Bluetooth Specification V4.0 BLE Bluetooth protocol.

Its wireless working frequency band is 2.4GHz ISM, and the modulation method is GFSK.

The module's default transmit power is 4dBm. Receive sensitivity -93dBm.

The module is compatible with both Android and Apple systems. In an open environment, it can communicate with iPhone 4s, to achieve ultra-long-distance communication of 80 meters.

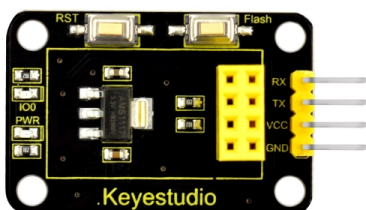
It also comes with an LED status indicator. When using, you can directly see the connection state of Bluetooth.

The module uses the CC2540F256 chip from TI, configured with 256K bytes of space, supporting the AT command. For need, the users can change the role (master or slave mode), baud rate of serial port, device name and other parameters, very flexible use.

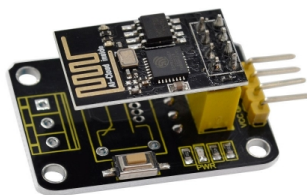
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1.KS0355 Keyestudio HC-08 Bluetooth Module

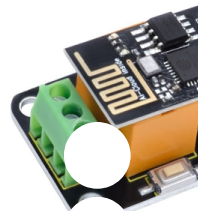
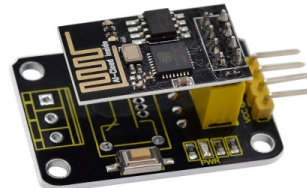
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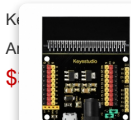
ESP-01 DS18B20



ESP-01 DHT11



weight:5.7g size:42*24*22(mm)



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DS18B20 Temperature
WIFI Module For Arduino UNO

Keyestudio ESP-01 DHT11 Temperature and
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