

**Order Code - 2223840.7**

**Item Name - HC-12 433 SI4463 Wireless Serial Module**



**Description-**HC-12 wireless RF UART communication module is a new generation of multi-channel embedded wireless data transmission module. The Radio frequency of 433.4 – 473.0MHz, can be setting a communication channel, step is 400kHz, a total of 100 channels. The module maximum transmit power is 100mW (20dBm), and -116dBm receiver sensitivity air of the 5000bps baud rate, communication distance about 500 meters.

The module adopts a stamped hole encapsulation method, which can be welded. The module size is 27.4mm\*13.2mm \*4mm (including antenna seat, not including the spring antenna), which is convenient for the customer to be embedded in the application system. The module has a PCB antenna seat ANT1, users can use the coaxial cable, the use of 433MHz band external antenna.

The module also has antenna welding hole ANT2, convenient user welded spring antenna. The user can choose one kind of antenna according to the request. The module contains MCU, users do not need to program in addition, just send and receive

**Specifications-**

- Operating Frequency Range: 433.4—473.0MHz
- Transmit Power Max: 20dBm
- Power Supply Voltage: DC 3.2V ~5.5V
- Long Communication Distance: About 1000 meters at the default setting