

## Wireless Serial Port HC-12 433Mhz SI4463



### Description:

- HC12 Module is based on the SI4463 EZ Radio Pro family chip. This module offers a wireless data transmission and reception range of approximately 1 km in the open air. It's a low power radio chip that is ultra-easy to use.
- This module has an onboard STM8S003F3P6 MCU which is communicating with the SI4463 so that the user can communicate with the HC12 module using a simple TTL 2 wire serial interface (RX, TX, GND).

### Specifications:

- HC-12 SI4463 Wireless Microcontroller serial, 433 long-range, 1000M with antenna for Bluetooth Supply voltage 3.2V ~ 5.5V. (If you want to work in the module launch state for a long time, it is recommended when the supply voltage exceeds 4.5V series with a 1N4007 diode, to avoid heating module built LDO).
- Default Communication Distance (open test): about 600m (adjustable to achieve the maximum communication distance of 1000m, the air baud rate 5000bps).
- The Default Idle Current: 16MA (modules in different operating current of the different operating modes).
- Operating Frequency Range: 433.4-473.0MHz, up to 100 communication channels, Maximum 100mW transmit power (can be set)
- The Default Factory Settings: operating mode FU3, baud rate 9600bps, communication channel CH001 (433.4M). - Module Size: 27.8mm × 14.4mm × 4mm.