This module uses the latest version of Silicon Labs’ highly integrated wireless ISM transceiver chip SI4432. The frequency range is 240 ~ 930MHz, with extremely high receiving sensitivity (-117dBm) and transmitting power (+ 20dBm), which greatly improves the penetration ability and transmission range. When the output power is + 20dBm, the communication distance is more than 1000 meters . Users do not need to know the relevant knowledge of the radio to use this module to easily develop stable and reliable wireless related products.

Features:

Working frequency: 433M
Frequency range: 240 ~ 960MHz
Receiving sensitivity: -117 dBm
Output power: + 20dBm
Data transmission rate 1.2 ~ 128kbps
Support FSK, GFSK and OOK modulation
1.8 ~ 3.6V power supply
Ultra-low-power shutdown mode
Digital Received Signal Strength Indication (RSSI)
Timed wake-up function
Automatic antenna matching and bidirectional switch control
Configurable packet structure
Preamble detection
64-byte transmit and receive data register (FIFO)
Low voltage detection
Temperature sensing and 8-bit digital-to-analog converter
Operating temperature range -20 ° C ~ + 60 ° C
Integrated voltage regulator
Frequency hopping function
Power-on reset function
Built-in crystal adjustment function