



433MHz / 915MHz RF Module

Specification:

- 433MHz or 915MHz ISM UHF Band RF Module
- Transmit Power : +10dBm ~ +20dBm
 - Auto RF Power Output Adjustment mode
- Receive Sensitivity: -117dBm
- Excellent Wireless communication over distance, Long Range
 - >2Km @Open Area
- FSK Frequency Shift Key Modulation
- Up to 128Kbps Data Transmission Rate
- On Module High Performance CPU for Multiple Applications with DSP instruction
DSP Lib and Voice Codec De-/Compression Available
- 18 pin definable Multi-function IO Pins
- Very Low Power 20mA for Rx; 35mA for Tx
- Wake up from RF Signal
- Power Management by Sleeping Mode, Idle Mode and Power Down Mode
- Build In High Performance Antenna or External Antenna
- Encryption by user defined key words
- 1x UART
- Optional 1xUSB or 1xCAN
 - Definable GPIO pins
- Wireless Networking Structure,
 - Peer to Peer, Multiple Cluster and Repeater Topology
 - Alternate Route/Path transmission
- Low Cost for Each Node, Definable Master/Slaver/Node
- Max 23 Levels, No of Slave at Level n is $(2^{(23-n)}-2)$
- 1 x Programmable LED
- Build In ADC Voltage Detection
- NC Command Set for Configures, Data and Data Stream, may no programming needed, through UART or USB
- -20 to +80C temperature range
- Wide range 2.8Vdc~6Vdc Input Voltage
- Dimension: 28.9mm*14.7mm
- FCC Certification
- APPLICATION
 - Home & Building Automation
 - Factory Automation
 - Industrial Telemetry
 - Alarm & Security
 - Walky-Talky