



(images/317010003 1.jpg)

433MHz wireless ISM transceiver module

SKU: 317010003



(https://www.kickstarter.com/projects/seeed/wio-link-3-steps-5-minutes-build-your-iot-applicat/description?ref=banner_depot)

Description

WT -4432G are highly integrated wireless ISM transceiver module. Very low receive sensitivity (-121dBm/1200bps), coupled with industry leading +20dBm output power ensures extended range and improved link performance. Built-in antenna diversity and support for frequency hopping can be used to further extend range and enhance performance.

Features

- Frequency Range: 433 MHz
(other frequencies need to be customized)
- Sensitivity = -121 dBm at 1200bps
- Max output power:20dBm
- 85mA@+20dBm transmit
- Data Rate = 0.123 to 256 kbps
- FSK,GFSply = 1.8 to 3.6 V
- Ultra low pK and OOK modulation
- Power Suower shutdown mode
- Digital RSSI
- Wake-up timer
- Auto-frequency calibration (AFC)
- Configurable packet handler

- Antenna diversity and TR switch
- Preamble detector
- TX and RX 64 byte FIFOs
- Low battery detector
- Temperature sensor and 8-bit
- -40 to +85 °C temperature range
- Integrated voltage regulators
- Frequency hopping capability
- Power-on-reset (POR)
- On-chip crystal tuning

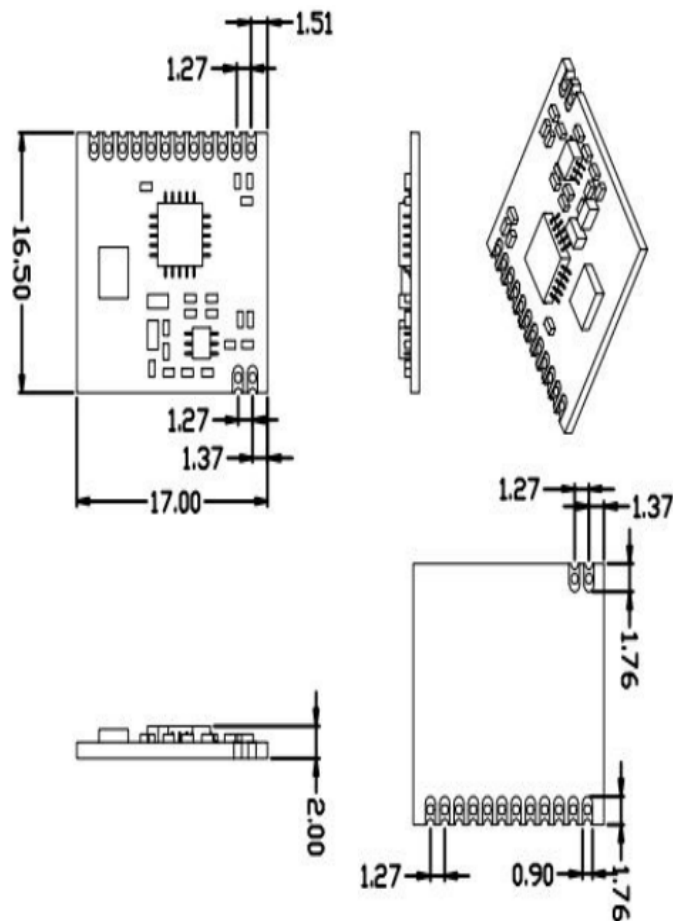
Specification

Applications

- Remote control
- Telemetry
- Home security & alarm
- Home automation
- Remote keyless entry
- Industrial control
- Toy control
- Personal data logging
- Remote meter reading
- Sensor networks
- Tire pressure monitoring
- Health monitors
- Wireless PC peripherals
- Tag readers

Characteristics

Parameter	Min	Typ	Max	Units	Conditions
Operating Condition					
Supply Voltage Range	1.8	3.3	3.6	V	-
Operating Temperature	-20	-	85	V	-
DC Characteristics					
Rx Mode Current	-	18.5	-	mA	-
Tx Mode Current	-	85	-	mA	@20dBm
Sleep Mode Current	-	<1	-	uA	-
RF Parameter					
Frequency range	428	433	438	MHZ	@433MHZ
Modulation rate	0.123	-	256	Kbps	FSK
Output power range	0	-	20	dBm	-
Sensitivity	-	-121	-	dBm	@data=1.2kbps,Fdev=30kHz



Overview



(<http://www.seeedstudio.com/depot/Shenzhen-2U-t-11.html?ref=pinfo>)

(<http://www.seeedstudio.com/depot/Others-m-24.html?ref=pinfo>)

Weight: 2 g

Designer: Others
Other Products From
This Designer