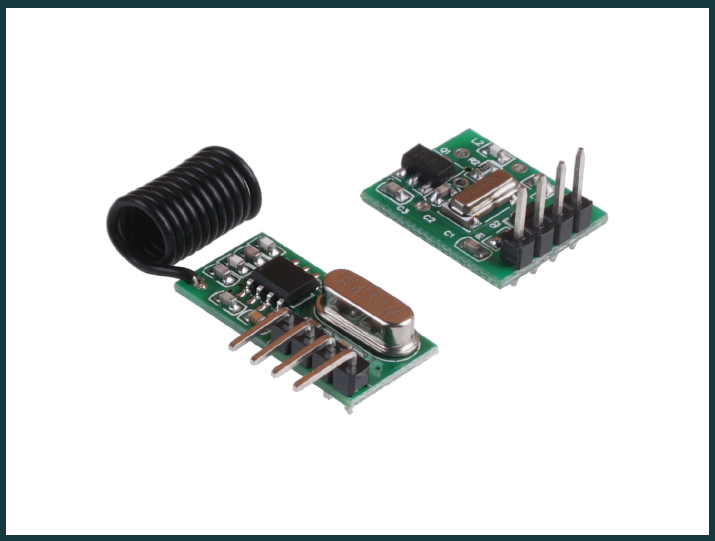
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Superheterodyne wireless transceiver module-433MHz

Superheterodyne wireless transceiver module-433MHz with low power consumption, high sensitivity, wide temperature range, and strong radiation suppression for remote control, security, data transmission, and robotic...

SKU	UPDATED	PRICE
114992733	2026-10-23 03:12:05	$4.90(Excl. VAT)



Overview

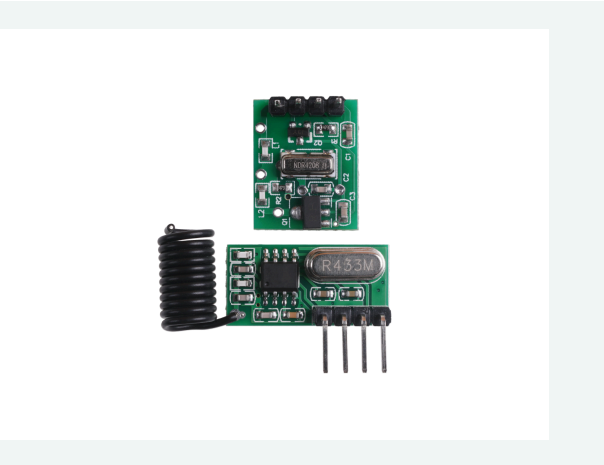


The Superheterodyne wireless transceiver module-433MHz features low power consumption (3.3V about 3.8mA / 5V about 4.2mA at 315MHz), high receiving sensitivity of -109dBm@10kbps, a wide temperature range of -40~85℃, flexible breadboard and PCB application, and strong radiation suppression ability with no mutual interference or impact on receiving distance. It is designed for applications including car remote control door switch (RKE), remote access control, wireless security alarm, remote control curtain machine, wireless industrial controller, wireless data transmission, and wireless remote control robot.

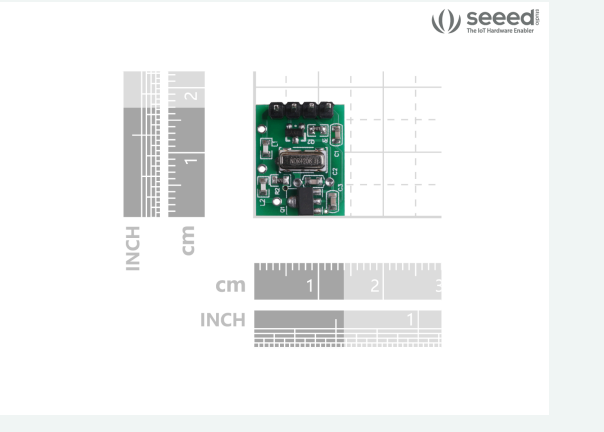
Key Features

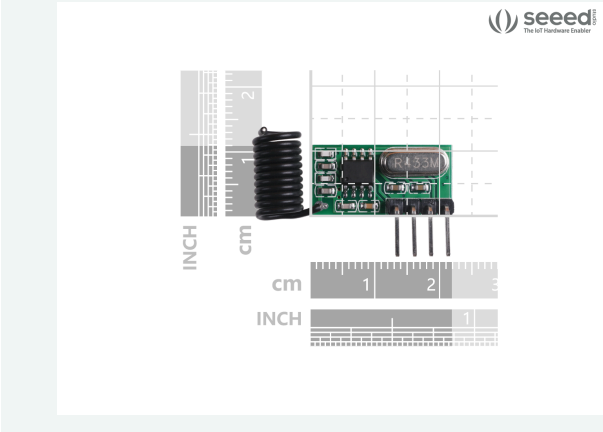
- Low power consumption: 3.3V about 3.8mA / 5V about 4.2mA（315MHz)
- High receiving sensitivity: -109dBm@10kbps
- Wide temperature range: -40~85℃
- Flexible application,breadboard and PCB friendly
- Strong radiation suppression ability:no mutual interference, no influence on receiving distance.

Product Gallery









Specification

Parameter	Description
Working voltage	Transmitter(3-12V),Receiver(3.3-5V)

Working current	Transmitter ：max≤35mA(12V)， min≤2mA(3V) Receiver ：max≤4.5mA(5.5V)， min≤3.8mA(3.3V)
Principle of work	Superhet（VCO, PLL）
Modulation	OOK/ASK
Working band	315MHz ; 433.92MHz (customize service available)
Sensitivity	-109dBm (50Ω)
Modulation rate	<10Kbps
Decoding form	IC decoding
Temperature range	-40~85℃

Pin	Name	Function declaration
1	VCC	Positive pole
2	GND	Negative pole
3	DATA	Signal pin
4	ANT	Antenna pin

Pin	Name	Function declaration
1	ANT	Antenna pin
2	VCC	Positive pole
3	DATA	Signal output
4	DATA	Signal output
5	GND	Negative pole

Dimensions	50mm x29mm x9mm
Weight	G.W 5g
Battery	Exclude

Applications

- **Car remote control door switch (RKE)**
- **Remote access control**
- **Wireless security alarm**
- **Remote control curtain machine**
- **Wireless industrial controller**
- **Wireless data transmission**
- **Wireless remote control robot**

Part List

Transmitter module	1
Receiver module	1

Compliance & Logistics



HSCODE	8517709000
USHSCODE	8517620090
UPC	841454112822
EUHSCODE	8517180000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Superheterodyne-wireless-transceiver-module-315MHz-433MHz-p-5078.html

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com