

Product code

010-0043

Part Number

MODULO WIRELESS + ANTENA - 1KM

Product description

MODULO WIRELESS + ANTENA - 1KM

Main features

It uses 2.4G global open ISM band, with license free.
Transmit power is greater than +20 dbm.
Support six-channel data reception.
2Mbit/s speed makes high-quality VoIP possible Low operating voltage:
2.7 to 3.6V
Multi-frequency points: 125 frequency points meet the needs of multi-point communications and frequency hopping.
Low cost: integrated with high-speed signal processing parts associated with RF protocol, such as: automatically re-send lost packets and generate acknowledge signal; SPI interface facilitates the communication with MCU I/O port.
Facilitate the development for customers, without development RF part. Software programming is fully compatible with NRF24L01 modules.
Applications: remote control, telemetry, wireless meter reading, access control systems, residential paging, industrial data acquisition systems, wireless tags, identification, contactless RF smart card, small wireless data terminal, fire safety systems, wireless remote control systems, bio-signal acquisition, wireless 232, wireless 422/485 data communications.

Technical specifications

Name Specification
Frequency 2.4GHz~2.5GHz
Operating voltage 3 ~ 3.6V Max
Max Emission current 115mA
Max Receive current 45mA
Multi-frequency 125 frequency channels Support up to six channels of data reception
Transmit power more than +20 dbm, 50Ω
Receiver sensitivity , -95dbm
Operating temperature : -45 degrees to +85 degrees
Storage temperature : -45 degrees to +125 degrees
Gain Of PA 20 dB
Gain Of LNA 10 dB

Pin Definition:

PIN	Function	Direction
Pin1	GND	Ground
Pin2	VCC	VCC, 1.9~3.6V
Pin3	CE	Operating Mode,RX/TX In
Pin4	CSN	SPI chip select In
Pin5	SCK	SPI clock In
Pin6	MOSI	SPI Input In
Pin7	MISO	SPI Output Out
Pin8	IROAM	Interrupt Output Out

Pin Definition

Dimensions

15x45x16mm

Weight

14.5g