

WSN27-915R

LICENSE-FREE SOLUTION
For Sub-1G Frequency Band
915 MHz Wi-SUN 6LoWPAN RFModule

Embedded Module



Product Description

WSN27-915R is a RF module compliant with interoperable Wireless Smart Ubiquitous IoT Network standard as described by IEEE@ 802.15.4g/e. It is ideally suited for use as an embedded RF module in one or two-way data links with electricity meters, DA sensor, devices, terminals and concentrators.

Key Features

- Conforms with Wi-SUN FAN standard
- Low Power Consumption
- AT Command, UART TTL (Rx, Tx, GND)
- Firmware upgrade or FOTA
- RF channel hopping,multiple hops
- Wi-SUN Alliance Certificated:WSA 0294

Electrical Parameters

- Output Power: Up to 27 dBm
- Power Supply: 3.3V & 5V
- Data Rate: 50-300kbps
- Power Consumption:
Tx: < 600 mA (500 mW output ,5V)
Rx: < 40 mA
- Sensitivity (CER < 10⁻³): -108 dBm (50 kbps)
- Operating Temperature:-40 to 70 °C
- Humidity:10%-95%,no condensation.
- Dimension:24 x 18 x 3 mm
- Power Supply:3.3V >150mA & 5V >600mA



Ordering information

No.	Product Name	Part No.	Description
1	WSN27-915R	FC3902-915R	Wireless Smart Ubiquitous Network module 915MHz, 500mW.
2	WSN27-915BR	FC3902-915BR	Wireless Smart Ubiquitous Network module 915MHz, 500mW.

1	GND	GND	32
2	ANT	+5V	31
3	GND	GND	30
4	RXD1	IOB8	29
5	TXD1	SPI_CS	28
6	RXD0	SPI_CLK	27
7	TXD0	SPI_MISO	26
8	GND	SPI_MOSI	25
9	+3.3V	SCL	24
10	IOA7	SDA	23
11	IOA6	RXD4	22
12	Boot	TXD4	21
13	RESET	GND	20
14	IOE4	SWCLK	19
15	TXD5	SWIO	18
16	RXD5	MODE	17

