

Product Description

868MHz 100mW sx1276 chip long range 4Km RF Wireless LoRa Module

LoRa1276 Version 2.0 Lorawan

LoRa1276 adopts Semtech RF transceiver chip SX1276, which adopts LoRa TM Spread Spectrum modulation frequency hopping technique. The features of long distance and high sensitivity (-139 dBm) make this module perform better than FSK and GFSK module. Multi-signal won't affect each other even in crowd frequency environment; it comes with strong anti-interference performance.

Note: TXEN?RXEN no needed for Version 2.0.

Features:

Frequency Range: 868MHz

Sensitivity up to -139 dBm

Maximum output power: 20dBm

10.3mA@receiver mode

Sleep current <200nA

Data transfer rate: @FSK, 1.2-300kbps

@Lora TM, 0.018-37.5kbps

Lora TM ,FSK,GFSK and OOK Modulation mode

1.8-3.7 V Power supply

127 dB Dynamic Range RSSI

Packet engine up to 256 bytes with CRC

Operating Temperature Range: -40 ~ + 85 °C

Built-in temperature sensor and low battery indicator

Excellent blocking immunity

Application:

Remote control

Remote meter reading

Home security alarm and remote keyless entry

industrial control

home automation remote sensing

individual data records

toys control

sensor network

tire pressure monitoring

health monitoring

wireless PC peripherals

tag reading and writing

Packing List:

1 X 868MHz LoRa1276 Wireless LoRa Module

**Mer info**

Lora1276 integrates Semtech RF transceiver chip SX1276, which adopts LoRa TM Spread Spectrum modulation frequency hopping technique. The features of long distance and high sensitivity (-139dBm) make this module perform better than FSK and GFSK module. Multi-signal won't affect each other even in crowd frequency environment; it comes with strong anti-interference performance. This module is 100mW and ultra small size, widely used in AMR , remote industrial control filed.

Lora1276-915 915MHz have got FCC ID,the files can download here:

<http://www.nicerf.com/Upload/FCC%E5%92%8CCE/Lora1276915FCC-13592834867.rar>

FCC ID can check from here: **(FCC ID is: 2AD66-LORAV2)**

<https://www.fcc.gov/oet/ea/fccid>

LORA1276|100mW SX1276 lora module|long range wireless transceiver module

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Downloads

[LORA1276-100mW long range Spread Spectrum modulation wireless transceiver module V2.2.pdf](#)

[SX1276/77/78.pdf](#)

[LORA-Arduino code.zip](#)

[Lora1276demo_915M.rar](#)

[Features&Application Specification function description Pin & Dimension](#)

Feature:

- Frequency Range: 868 / 915 MHz
- Sensitivity up to -139dBm @Lora
- Maximum output power: 20 dBm
- 13mA @receiver mode
- Sleep current

- Data transfer rate: @FSK,1.2-300 Kbps
- @Lora TM, 0.018-37.5 Kbps
- Lora TM, FSK, GFSK & OOK Modulation mode
- Built-in ESD Protection
- 127 dB Dynamic Range RSSI
- Packet engine up to 256 bytes with FIFO and CRC
- Hopping frequency
- Built-in temperature sensor and low battery indicator
- Excellent blocking immunity
- Operating Temperature Range?-40 ~ + 85 °C

Application:

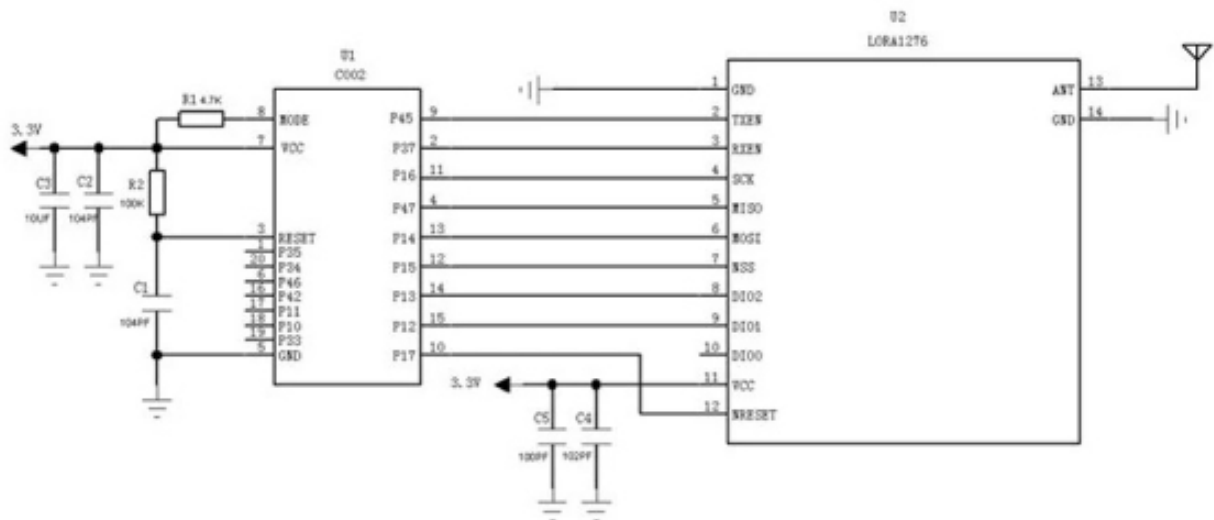
- Remote control
- Remote meter reading
- Home security alarm and remote keyless entry
- Industrial control
- Home automation remote sensing
- Individual data records
- Toys control
- Sensor network
- Tire pressure monitoring

- Health monitoring
- Wireless PC peripherals
- Tag reading and writing

Application notes

<https://www.instructables.com/Internet-of-Things-IoT-Using-NiceRf-LoRa1276-and-A/>

Tilkobling



Product Gallery

