



Register to Get 

Shipping Coupon



 0

 LOGIN/SIGN UP

HOME

COMMUNITY NEW

FORUM

WIKI

BLOG

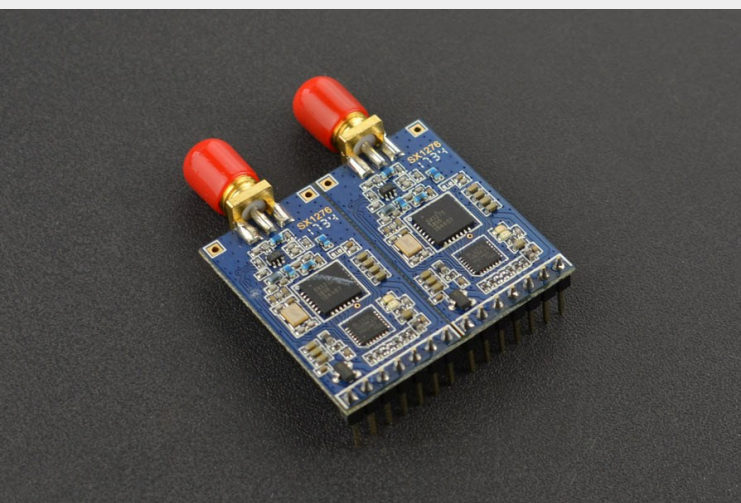
PRODUCT LINES ▾

EDUCATION

\$USD

 WISH LIST

[Modules](#) / [Communications](#) / [Radio \(RF\)](#) / [LoRa Radio Module - 868MHz](#)



LoRa Radio Module - 868MHz

SKU:TEL0115

Brand:Other

Reward Points: 399

* Model:

433MHz

MESH 433MHz

868MHz

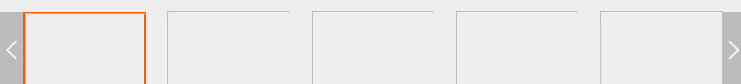
MESH 868MHz

Quantity:

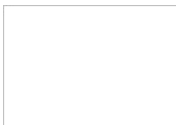
- +

ADD TO CART



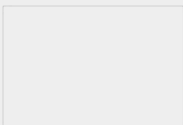


Frequently Bought Together



LoRa Radio Module - 868MHz

+



Gravity: IO Exp... V7.1

=



You have chosen:0
Total amount:

BUY IT NOW

INTRODUCTION

LoRa Radio Module is a type of long range low data rate data radio modem based on Sx1276 from Semtech. It is a low-cost sub-1 GHz transceiver module designed for operations in the unlicensed ISM (Industrial Scientific Medical) and LPRD bands. Frequency spectrum modulation/demodulation, multi-channel operation, high bandwidth efficiency and anti-blocking performance make LoRa modules easy to realize the robust and reliable wireless link.

The module can work in two different modes: Standard mode and Star network mode. In the standard mode, it acts as transparent data radio modem which it communicates with the host at the preset data format without encoding / decoding needed. In start network mode, one module will be the configured to the central node and other modules are set to node modules. The communication between the central module and node module are bidirectional but the node modules can not talk with each other. Please note that the module doesn't contain lorawan protocol. Therefore the star network feature of this module is used with itself protocol so it is not compatible with lorawan.

Recommend [USB to TTL Converter](#) to set the module parameter, and [Gravity IO Expansion Shield](#) can directly work with the Lora modules.

FEATURES

- LoRa Frequency Spectrum
- 868/915Mhz ISM frequency band
- -137 dBm receive sensitivity
- 20 dBm Max. output power
- Serial port wake-up
- Wireless wake-up
- Star networking ability
- Supply voltage 3.4~5.5V

Downloaded from [Arrow.com](#)

- LoRa Radio Module - 868MHz x2
- 868MHz antenna (2m SMA-Male connector) x2

REVIEW

FAQ

13 Comments

DFRobot

Disqus' Privacy Policy

Login

Recommend

Tweet

Share

Sort by Best

Join the discussion...



정찬희

3 months ago • edited

I want to communicate with this module by arduino mega2560, but there is no tutorial or some example. I cannot enter AT command by arduino. help

^

• Reply • Share >

↓



DFRobot Support

Mod → 정찬희 • 3 months ago

Hi 정찬희,

Sorry, the supplier didn't provide any example regarding Arduino Mega2560.

^

• Reply • Share >

↓



R Back

a year ago

I have been working with these things for two days and I still cannot get these radios to work. Has anyone had success and would you be willing to share how you did it? I do have the Chinese application for configuring the radios and that does communicate with the module. However, I have not had any success in getting the radios to behave as they are described in the datasheet. They seem to default to the HEX Command mode not the transparent mode described in the datasheet, and I cannot get them to enter the AT Command mode.

^

• Reply • Share >

↓



DFRobot Support

Mod → R Back • a year ago

Hey,

Sorry for the difficulties you are having. Could you reach out to techsupport@dfrobot.com with this problem and outline the specific functions you would like to accomplish and any relevant code/serial output you have had so far. The more information you can provide us the better!

^

• Reply • Share >

↓



Joaquim Bravo Jordana

3 years ago

What is the difference between the LoRa Mesh Radio Module and the LoRa Radio Module? Are they the same module isn't it? I guess I can set up this module in star or in mesh mode depending on my application.

^

• Reply • Share >

↓



DFRobot Support

Mod → Joaquim Bravo Jordana • 3 years ago

No, they are different, LoRa can only do point to point communication, LoRa Mesh can make Mesh network.

^

• Reply • Share >

↓



Joaquim Bravo Jordana

→ DFRobot Support • 3 years ago • edited

Okay, thank you. The management of the mesh architecture is in the MCU or in the SX1276? There is any schematic or documentation about that? Apart from the datasheet of the module. The last question is where can I find the program "mesh network module configuration and test tool"? Thank you very much

^

• Reply • Share >

↓



DFRobot Support

Mod → Joaquim Bravo Jordana • 3 years ago

Hi,

Sorry, we don't have schematic or other document about this product, the configuration could be done by a serial tool.

^

• Reply • Share >

↓


javiernicola • 3 years ago

Is there any kind of support or code examples in english?

^ • Reply • Share >

↓


javiernicola → javiernicola • 3 years ago

im looking around internet and it seems like noone knows. did DFrobot test this product?

^ • Reply • Share >

↓


DFRobot Support Mod → javiernicola • 3 years ago

You can find a datasheet of this module here: <https://github.com/Arduinol...>

^ • Reply • Share >

↓


Cameron Turner • 3 years ago

What type of range can you get with these units outdoors?

Thanks

^ • Reply • Share >

↓


DFRobot Support Mod → Cameron Turner • 3 years ago

In the open area, the distance could be 3~5 Km.

^ • Reply • Share >

↓ 1


[Subscribe](#)

[Add Disqus to your site](#)

[Do Not Sell My Data](#)

DISQUS

Sign up for exclusive offers!



Like us on



INFORMATION

[About Us](#)
[Warranty](#)
[Privacy Policy](#)
[Shipping](#)
[Payment](#)
[FAQ](#)

CUSTOMER SERVICE

[DFRobot Distributors](#)
[Contact us](#)
[Site Map](#)

MY ACCOUNT

[Affiliates](#)
[Specials](#)
[Coupon](#)