Zio Qwiic Lora Module (433MHz, I2C)

SKU: 101956

Description:

This is a Qwiic version LoRa module, no soldering and jumper wire connections, just Qwiic cable plugin, and have fun!

LoRa module is powerful, it can send and receive data packets at up to 10KM distance, and consumes very low power (10mA for receiver, 120mA for transmitter).

LoRa itself is a SPI device, in order to turn it into a I2C device, we added an MCU as the gateway to do the dirty work for you, you just need to use the module's I2C interface to communicate with the others. It is just that easy.

Note: This LoRa module is based on the LoRa-01 module, the frequency range is 420 - 450 MHz, check here to see if this can be used in your country.
https://www.thethingsnetwork.org/docs/lorawan/frequencies-by-country.html

Specification

- Voltage: 3.3V
- Interface: I2C
- I2C Address: 0x35, 0x36 (Default: 0x35)
- Distance: Up to 10KM
- Gateway MCU: ATMEGA328P
- Dimension: 26.0 x 41.6 mm
- Weight: 5.3g

Links:

- [PCB Source file](#)
- [PCB schematic](#)
- [Demo code](#)
- [Gateway firmware](#)

More Product Picture: