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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





LoRa LoRaWAN Gateway - 868MHz Kit with Raspberry Pi 3

SKU 110060622



Description

LoRa is a perfect long-range wireless solution to create low-power, wide area networks. So far we have released several “LoRa” boards such as Seeeduino LoRaWAN and Grove LoRa Radio etc. However if you want to build your own LoRa network, there are 3 things that you should prepare to get started: a Gateway, at least one Node and a local server where you can monitor all your devices.

This kit provides all the basic elements you need: a Raspberry Pi 3, a Seeeduino LoRaWAN with GPS and a gateway & local server that allows you to collect and transfer data among all your LoRa nodes. By connecting the gateway with Seeeduino LoRaWAN and Grove modules, you can build your IOT prototype within minutes.

Regarding the gateway module RHF0M301, it is a 10 channel (8 x Multi-SF + 1 x Standard LoRa + 1 x FSK) LoRaWAN gateway module with a 24pin DIP port on board, users can easily connect the RHF0M301 with PRI 2 bridge RHF4T002, adapter for Raspberry Pi 3 and RHF0M301.

There are several type of RHF0M301 distinguished by different communication frequency. This kit provides RHF0M301-868MHz, so we also included a 868MHz antenna. Apart from that the kit also contains an 8GB SD card and USB cables, Ethernet Cables and other accessories.

Features

- Low power consumption & wide area
- Industrial standard reliability
- Economic solution to build LoRa /LoRaWAN network
- Rich Accessories of sensor and actuator
- Real time monitoring

Part List

- Raspberry Pi 3 x 1
- Seeeduino LoRaWAN with GPS x 1
- Gateway module RHF0M301 – 915 x 1
- PRI 2 Bridge RHF4T002 x 1
- 8GB Micro SD Card – Class 10 x 1
- USB to UART Adapter x 1
- 0dBi Rubber Duck Antenna x 1
- Micro USB Cable 20cm x1
- Micro USB Cable 100cm x 1
- RJ45 Ethernet Cable 200cm x 1
- 5V/2.1A American Standard Adapter with Micro USB Connector x 1