DRAGINO

LoRaWAN Indoor Gateway

LIG16

OVERVIEW:

The LIG16 is an open source LoRaWAN Gateway. It lets you bridge LoRa wireless network to an IP network via WiFi or Ethernet. The LoRa wireless allows users to send data and reach extremely long ranges at low data-rates.

The LIG16 supports Semtech packet forwarder and LoRaWAN Station connection, it is fully compatible with LoRaWAN protocol. LIG16 includes a SX1302 LoRa concentrator, which is the new generation baseband LoRa chip for gateway with lower current consumption and higher amount of traffic than preceding devices.

LIG16 has pre-configured standard LoRaWAN frequency bands to use for different countries. User can also customize the frequency bands to use in their own LoRaWAN network.

LIG16 can communicate with ABP LoRaWAN end node without LoRaWAN server. System integrator can use it to integrate with their existing IoT Service without set up own LoRaWAN server or use 3rd party LoRaWAN service.

LIG16 support auto-provision for mass deployment and long term maintain. System intergrator can easily change the

Features:

- Open Source OpenWrt system
- Multi Channels LoRaWAN Gateway
- Support LoRaWAN Station Connection
- Support Semtech UDP packet forwarder
- Managed by Web GUI, SSH or clound
- Remote Monitoring
- Auto-Provision

Applications:

- Smart Buildings & Home Automation
- Logistics and Supply Chain Management
- Smart Metering
- Smart Agriculture
- Smart Cities
- Smart Factory

Specifications:

LoRa Interfaces:
- 1 x SX1302 + 2 x 1250 LoRa Transceiver
- 125 kHz LoRa reception with:
    – 8 x 8 channels LoRa® packet detectors
    – 8 x SF5-SF12 LoRa® demodulators
    – 8 x SF5-SF10 LoRa® demodulators
- Max Output Power: 25dBm
- Sensitivity: -140dBm

General Interfaces:
- 10M/100M RJ45 Ports x 1
- 1 x 2.4G WiFi (802.11 bgn)
- 1 x USB host port
- 1 x USB Type C port for power
- Power Input: 5v, 2A

Ordering Info:

- LIG16-470 (For Band: CN470)
- LIG16-868 (For Band: EU868,IN865, RU864,KZ865)
- LIG16-915 (For Bands: US915,AU915, AS923,KR920)