Open Source LoRaWAN Gateway

LG308

OVERVIEW:

The LG308 is an open source LoRaWAN Gateway. It lets you bridge LoRa wireless network to an IP network via WiFi, Ethernet, 3G or 4G cellular. The LoRa wireless allows users to send data and reach extremely long ranges at low data-rates.

LG308 supports Semtech packet forwarder and LoRaWAN Station connection, it is fully compatible with LoRaWAN protocol. LG308 includes a SX1301 LoRaWAN concentrator.

LG308 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.

LG308 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.

LG308 supports auto-provision for mass deployment and long term maintain. System intergrator can easily change the settings.

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
- Optional 4G Connection

Applications:

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

Working Condition:

- Operation Temperature: -40 ~ 80 °C
- Operation Humidity: 0~99.9%RH (no Dew)
- Storage Temperature: -10 ~ 45°C

Specifications:

LoRa Interfaces:
- 1 x SX1301 + 2 x 1257 LoRa Transceiver
- Max Output Power: 27dBm
- Sensitivity: -140dBm

General Interfaces:
- 10M/100M RJ45 Ports x 2
- 1 x 2.4G WiFi (802.11 bgn)
- 1 x USB host port
- 1 x Mini-PCIe Interface
- Power Input: 12v, 1A

Ordering Info:

- LG308-868 (For Band: EU868,IN865)
- LG308-868-EC25 (4G version)
- LG308-915 (For Bands: US915,AU915, AS923,KR920)
- LG308-915-EC25 (4G version)

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