DRAGINO

LoRaWAN Pico Station

LPS8

OVERVIEW:

The LPS8 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 LPS8 uses semtech packet forwarder and fully compatible with LoRaWAN protocol. It includes a SX1308 LoRa concentrator, which provide 10 programmable parallel demodulation paths.

The LPS8 supports LoRaWAN station connection. It is compatible with the AWS-IoT LoRaWAN Core.

LPS8 has pre-configured standard LoRaWAN frequency bands to use for different countries. User can also customized the frequency bands to use in their own LoRa network.

Features:

- Open Source OpenWrt system
- Support Semtech UDP packet forwarder
- Support LoRaWAN Station Connection
- Managed by Web GUI, SSH via LAN or WiFi
- LoRaWAN Gateway
- Emulates 49x LoRa demodulators
- 10 programmable parallel demodulation paths
- Auto-Provisioning
- Remote Monitoring

Applications:

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

Specifications:

LoRa Interfaces:
- 1 x SX1308 + 2 x 1257 LoRa Transceiver
- Max Output Power: 20dBm
- 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:

- LPS8-470 (For Band: CN470)
- LPS8-868 (For Band: EU868,IN865)
- LPS8-915 (For Bands: US915,AU915, AS923,KR920)