DRAGINO

Outdoor LoRaWAN Full Hotspot

HP0D

OVERVIEW:

The HP0D is an outdoor LoRaWAN Gateway. It lets you bridge LoRa wireless network to an IP network via WiFi, Ethernet, optional 3G or 4G. The LoRa wireless allows users to send data and reach extremely long ranges at low data rates.

HP0D has passed Helium Full Hotspot Approval. It supports the miner feature from Helium and has a built-in ATECC608 encryption chip. It can be used as a Helium Full Hotspot for the project. It also supports Semtech packet forwarder and LoRaWAN Station connection, it is fully compatible with LoRaWAN protocol. HP0D supports two LoRaWAN servers at the same time, users can use HP0D for helium mining and connects max 2 x LoRaWAN servers at the same time.

Dragino already paid HP0D $40 onboarding cost and $10 location cost for each HP0D. It is ready to use for Helium, user only needs to input HNT wallet address and use QR Code to onboarding HP0D when it arrives.

HP0D has pre-configured standard LoRaWAN frequency bands to use for different countries. Users can also customize the frequency bands to use in their own LoRaWAN network.

Features:

- Open Source Linux system
- Managed by Web GUI, SSH via Internet
- Support Semtech UDP packet forwarder
- Support LoRaWAN Station Connection
- Support Helium miner
- Support Long-Fi
- Firmware OTA
- External fiber glass antenna
- Support Helium LoRaWAN server and secondary LoRaWAN server
- Remote Monitoring
- 802.3af PoE
- IP65
- Lighting Protection

Applications:

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

Specifications:

Hardware:
- CPU: RPi4
- RAM: 2G, 4G or 8G
- Memory: 32G SD card
- LoRaWAN Max Output: 27dBm
- Sensitivity: -140dBm

General Interfaces:
- 10M/100M RJ45 PoE Port x 1
- 4 x USB host port
- Power Input: 12v, 2A
- SMA connector for LoRa Antenna

Part Number:

- HP0D-XXX

XXX:
- - - 868: For EU868, RUS864, IN865
- - - 915: For US915,AU915,AS923,KR920