DRAGINO

Outdoor LoRaWAN Gateway

DLOS8

OVERVIEW:

The DLOS8 is an open source outdoor 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.

The DLOS8 is use semtech packet forwarder and fully compatible with LoRaWAN protocol. It includes a SX1301 LoRa concentrator, which provide 10 programmable parallel demodulation paths.

DLOS8 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.

DLOS8 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.

Features:

- Open Source Embedded Linux system
- Managed by Web GUI, SSH via LAN or WiFi
- Cellular Failover connection (optional)
- Emulates 49x LoRa demodulators
- Direct Communication to LoRaWAN ABP Node
- 10 programmable parallel demodulation paths
- LoRaWAN packet filtering
- Far seeing LED indicator
- Built-in GPS module for location & timing
- External fiber glass antenna

- 802.3af PoE
- IP65
- Lighting Protection
- Power Consumption:12v 300 ~500mA

Applications:

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

Specifications:

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

General Interfaces:
- 10M/100M RJ45 PoE Port x 1
- 1 x 2.4G WiFi (802.11 bgn)
- 1 x USB host port
- 1 x Mini-PCIe Interface
- Power Input: 12v, 1A
- SMA connector for LoRa Antenna

Part Number:

- DLOS8-XXX-YYY:

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

YYY:
- - N/A: none 4G version
- - EC25: 4G version