

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.

DLOS8 supports Semtech packet forwarder and LoRaWAN Station connection, it is fully compatible with LoRaWAN protocol. DLOS8 includes a SX1301 LoRaWAN concentrator.

DLOS8 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.

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.

DLOS8 supports auto-provision for mass deployment and long term maintain. System intergrator can easily change the settings.

Features:

- Open Source Embedded Linux system
- Managed by Web GUI, SSH via LAN or WiFi
- Support Semtech UDP packet forwarder
- Support LoRaWAN Station Connection
- Cellular Failover connection (optional)
- Direct Communication to LoRaWAN ABP Node
- LoRaWAN packet filtering
- Far seeing LED indicator
- Built-in GPS module for location & timing
- External fiber glass antenna
- Auto-Provision
- Remote Monitoring
- 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-PCle 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