

Outdoor LoRaWAN Gateway

DLOS8N



OVERVIEW:

The DLOS8N 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.

DLOS8N supports [Semtech packet forwarder](#) and [LoRaWAN Station](#) connection, it is fully compatible with LoRaWAN protocol. DLOS8N includes a [SX1302 LoRaWAN concentrator](#).

DLOS8N 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.

DLOS8N 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.

DLOS8N supports [auto-provision](#) for mass deployment and long term maintain. System integrator 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
- Support MQTTS
- Remote Monitoring
- 802.3af PoE
- IP65
- Lighting Protection
- Power Consumption: 12v 300 ~500mA

Applications:

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

Specifications:

LoRa Interfaces:

- Sensitivity: -140dBm
- Max Output Power: 27dBm
- 1 x SX1302 + 2 x 1250 LoRa Transceiver

General Interfaces:

- 1 x USB host port
- Power Input: 12v, 2A DC
- 1 x Mini-PCIe Interface
- 1 x 2.4G WiFi (802.11 bgn)
- 10M/100M RJ45 PoE Port x 1
- RP-SMA connector for LoRa Antenna

Operating Temperature:

- Operating Temperature: -20~85°C

Order Info: DLOS8N-XXX-YYY

XXX: Frequency Band

- **868**: For EU868, RU864, IN865, KZ865
- **915**: For US915, AU915, AS923, KR920

YYY: 4G Cellular Option

- **EC25-E**: EMEA, Korea, Thailand, India
- **EC25-AFX**: America:Verizon, AT&T(FirstNet), U.S.Cellular; Canada:Telus
- **EC25-AUX**: Latin America, New Zeland, Taiwan
- **EC25-J**: Japan, DOCOMO, SoftBank, KDDI