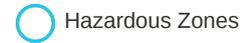# LoRaWAN Indoor Gateway

Smart Agriculture, Smart Building, Smart Facility, Smart Farm, Smart Healthcare, Smart Retail, Smart Factory, Smart Transportation

SKU: GWIND

daviteq

LORAWAN INDOOR GATEWAY
GWIND

LoRaWAN

10-Year

CE FC ARIB

✓ Safe Zone   ◯ Hazardous Zones

GWIND is a LoRaWAN® Gateway designed for indoor installation, used in projects such as Smart Factory, Smart Agriculture, Smart Building, Smart Residential Area, Smart City... It simultaneously supports 8 connection channels to help receive a large number of packets from surrounding LoRaWAN sensors. The connection distance to the LoRaWAN sensors is up to 10km (depending on the environment and sensor types). It supports common communications such as Ethernet, LTE, WiFi. LoRa frequency support 863~870MHz/ 902~928MHz.

This LoRaWAN Gateway is widely used in applications such as reading water meters, electricity meters, gas meters, environmental monitoring, smart farms, and smart factories...

Applications
Automatic Ventilation System, Condition Based Monitoring, Energy Monitoring, Facility Monitoring, Fuel Monitoring, Gas Leakage Detection, Indoor Air Quality Monitor, Machine Health Monitoring, Odor Monitoring, People Counting, Production Monitoring, Temperature Monitoring, Vibration Monitoring, Warehouse Monitoring, Water Meter Reading

Notes For Applications

✓ **Connect to any LoRaWAN sensors**
Compliance to LoRaWAN 1.0.3

✓ **Various Internet connections**
POE Ethernet as standard, Optional Wifi, LTE Cat 4, NB-IoT, LTE Cat M1

✓ **Support all Network Server Software**
Support Packet Forward/ Basic Station Mode. Support Spectral Scan & Listen Before Talk (LBT)

✓ **POE Feature**
Easy powering the device via POE Ethernet cable

LORAWAN INDOOR GATEWAY
GWIND

Specification

LoRaWAN Specification	LoRaWAN 1.0.3
Frequency Band	Select 863~870MHz/ 902~928MHz
Number of Channels	Up to 8 concurrent channels for LoRa transmission
LoRa Transmit Power	0.5W (up to 27 dBm)
LoRa Receive Sensitivity	Down to -142 dBm (conducted)
LoRa Software	Standard and LRR Actility
COMMUNICATION	
Standard Interfaces	1 WAN RJ45 10/ 100Mbps (w/ passive PoE capability), 1 SIM card slot (2FF), 1 DC jack in/ 1 terminal block
Optional Wi-Fi	802.11b/g/n, 1x1, 2.4GHz
Optional 4G LTE	LTE Cat 4 or Cat M1/NB2
Antenna Type	1 x external LoRa antenna, and option antennas are 1 x External antenna for LTE, 1 x external Wi-Fi antenna
Operating Temperature	-10~55℃
Storage Temperature	-20~60℃
Power Supply	DC 12 V/1.5 A-Power Adaptor/ DC 10~30V 3-Pin Connector Power supply/ Passive PoE 10~30V
Housing	Profile Aluminum, IP20
Dimensions	L:122 x W:135 x H:36mm
Weight	≤ 450g

LORAWAN INDOOR GATEWAY
GWIND
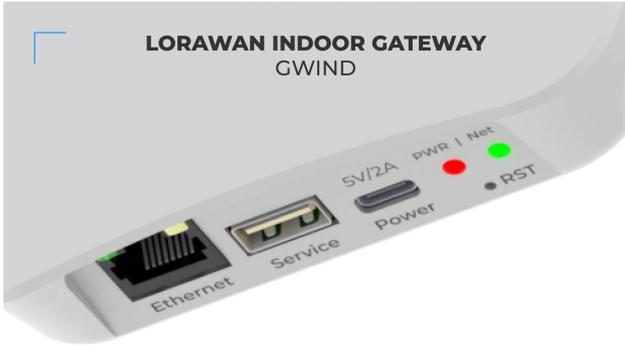
PORTS

LORAWAN INDOOR GATEWAY
GWIND

305.6

111.0

111.0

35.7
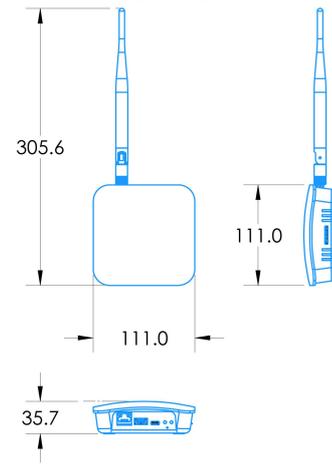
DIMENSION DRAWING (Unit: mm)

Ordering Information

ITEM CODE	DESCRIPTION
GWIND-9	LoRaWAN Gateway, indoor IP20, Frequency 9XXMHz, included antenna, POE Ethernet, terminal for DC 10-30V
GWIND-9-WF	LoRaWAN Gateway, indoor IP20, Frequency 9XXMHz, Wi-Fi 802.11b/g/n, 2.4GHz, included antenna, POE Ethernet, terminal for DC 10-30V
GWIND-9-EC25-AU	LoRaWAN Gateway, indoor IP20, Frequency 9XXMHz, LTE Cat 4 for Australia-Asia-South America, SIM slot, included antenna, POE Ethernet, terminal for DC 10-30V
GWIND-9-EC25-A	LoRaWAN Gateway, indoor IP20, Frequency 9XXMHz, LTE Cat 4 for North America, SIM slot, included antenna, POE Ethernet, terminal for DC 10-30V
GWIND-8	LoRaWAN Gateway, indoor IP20, Frequency 8XXMHz, included antennas, POE Ethernet, terminal for DC 10-30V
GWIND-8-WF	LoRaWAN Gateway, indoor IP20, Frequency 8XXMHz, Wi-Fi 802.11b/g/n, 2.4GHz, included antennas, POE Ethernet, terminal for DC 10-30V
GWIND-8-EC25-EUX	LoRaWAN Gateway, indoor IP20, Frequency 8XXMHz, LTE Cat 4 for EMEA and Asia, SIM slot, included antennas, POE Ethernet, terminal for DC 10-30V