

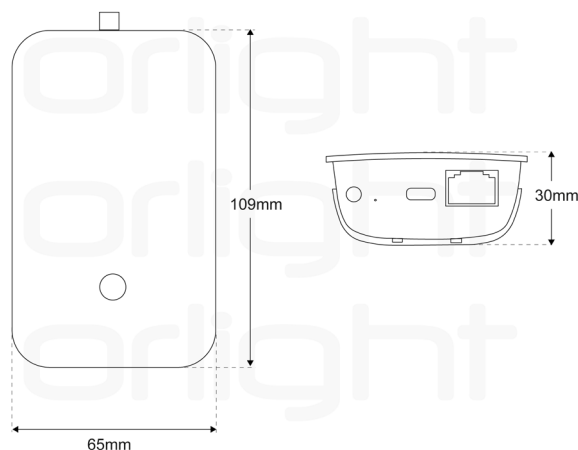
LoRaWAN GATEWAY STD

ITEM NO. 41427

Indoor standard LoRaWAN gateway can be used independently or as a blind filling gateway. With simple configuration, it allows you to bridge LoRa wireless networks to IP networks and different network servers via Wi-Fi or Ethernet. This gateway has a sleek, contemporary design. It is wall-mounted, can be easily placed anywhere indoor to ensure that it provides adequate signal coverage.



Dimension



LoRaWAN Gateway are available in three product

Model	Description
470T510	470~510MHz working LoRa frequency, used for China mainland (CN470) LPW band.
EU868	863~870MHz working LoRa frequency, used for EU868, IN865 LPW bands.
902T923	902~923MHz working frequency, used for AS923, US915, AU915, KR920 LPW bands.

- MT7628 MCU, SX1303 + SX1250 Chipset.
- Wi-Fi and Ethernet supported.
- Maximum output: 27 ± 2dBm.
- The power supply voltage: 5V.
- Strong performance, good stability and long transmission distance.
- Easy to configuration on the Web UI by connecting to the device Wi-Fi or IP address.
- Light and discreat , wall-mounted, simple to install.
- -20°C to 70°C maximum operating temperature range.
- Support LoRaWAN Class A, Class C, custom MQTT protocols.
- Working bands: Full band coverage corresponds to the working frequency option.

ORLIGHT Status System Logout

Status

MAC_ETH	1:SD
MAC_WLAN	1:SL
Lora Status	Running
Region	LU868
Switch Region	LU868
Gateway Mode	LoRaWAN packet forwarder
Server Address	loras.heltec.org
Port Up	1700
Port Down	1700
Gateway ID	1115D
Set Gateway	

LoRaWAN GATEWAY EDGE

Technical Specification

Parameters	Description
MCU	MTK7628
LoRa Chipset	SX1303 + SX1250
Multi-channel	Eight (8) uplink, one (1) downlink.
Frequency	470~510/863~870/902~923MHz
Wi-Fi	IEEE 802.11 b/g/n 2.4GHz
Ethernet	10/100M
Max. Receiving sensitivity	-139 dBm
Max. TX Power	+27 ± 2dBm
Supply voltage	5V DC
Operating temperature	-20 ~ 70°C
Operating humidity	10%~90%, no-condensing
Dimensions	116*65*30 mm

Operating conditions

Power supply range

Parameter	Minimum	Typical	Maximum	Company
Device operating input voltage	4.80	5.00	6.00	V

Power consumption

Mode	Condition	Minimum	Maximum
Active-Mode (RX)	ETH	170mA	190mA
	Wi-Fi	200mA	250mA
Active-Mode (TX)	TX power is 27dBm @ 5V supply	400mA	450mA

RF characteristics

The following table gives typically sensitivity level of the Indoor LoRa Gateway.

Signal Bandwidth/[KHz]	Spreading Factor	Sensitivity/[dBm]
125	SF12	-139
125	SF10	-130
125	SF7	-125
125	SF5	-121
125	SF9	-124