



OrionM2M

Indoor LoRaWAN Gateway

ORIONGATEWAY MINI HUB

FEATURES:

-  LoRaWAN Class A and C
-  Wi-Fi backhaul
-  Cost effective
-  Quick setup
-  Built-in LoRa & Wi-Fi antenna
-  Compact design for mobile application
-  Up to 8 concurrent channels for LoRa transmission
-  Power input via power wall-type plug/USB type C port



APPLICATIONS:

Smart City and Industrial IoT | Smart building and Industrial Control | Smart Agriculture | Other wireless sensing applications

General

CPU	ESP32-D0WD-V3 QFN-48
RAM/Flash	64Mbits/32Mbits
Wi-Fi	802.11 b/g/n 2.4GHz
Wi-Fi Transmit RF Power	+20 dBm
Wi-Fi Security	WPA/WPA2
USB Port	One USB Type-C
Operating temperature, °C	0 - +40
Storage temperature, °C	-10 - +60
Working Humidity	Operating: 10 - 85% Storage: 5 - 90%
Power Supply, V	100-240VAC 50/60Hz via power wall-type plug
Version	Indoor
Weight, g	200

Radio

Communication protocol	LoRaWAN
Device class	A, C
Bands	EU862-870 MHz
Modulation	LoRa
Packet Forwarder	Semtech Basic Station or UDP forwarder
LoRa antenna type	Internal
LoRa power output	up to 27 dBm (max)
Receiver sensitivity, dBm	up to -142
Interferer rejection at 1 MHz offset	70 dB CW
RF transceiver	SX1308 with SX1257 and SX1276
Number of channels	8
Channel Band Width	125/250/500 kHz
ADR support	Yes

Package Content

Device	1
Power plug	1
Quick Guide	1

Order Info

SKU	Description
TBMH110868	Indoor LoRaWAN Gateway ORIONGATEWAY MINI HUB · Compliance with LoRaWAN 1.0.3 · Wi-Fi · Built-in LoRa & Wi-Fi antenna · Power input: Wall plug type / USB type C port · Indoor · EU862-870 MHz