



OrionM2M

Indoor LoRaWAN Gateway

ORIONGATEWAY PICO



FEATURES:

-  LoRaWAN Class A and C
-  Support Packet Forward/Basic Station Mode
-  Support local firmware upgrade
-  Support Spectral Scan & Listen Before Talk (LBT)
-  Up to 15 km communicating range
-  Up to 8 concurrent channels for LoRa transmission
-  Web UI for LoRa and network configuration
-  Various Internet connection: Ethernet, Wi-Fi, or 3G/4G backhaul

APPLICATIONS:

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

General

Version	Indoor
Power Supply	DC 12 V/1.5 A-Power Adaptor DC 10~30 V 3-Pin Connector Passive PoE 10~30 V
Interfaces	1 WAN RJ45 10/100Mbps (passive PoE capability); 1 Reset button; 1 SIM card slot (2FF); 1 DC jack in / 1 terminal block; 4 LED indicators
Antenna type	External SMA
Weight, kg	0.4
Operating temperature, °C	-10 - +55
Storage temperature, °C	-20 - +60
Warranty operating period, months	12

Radio

Communication protocol	LoRaWAN
Device class	A, C
Bands	EU862-870 MHz
Modulation	LoRa
RF transceiver	SX1308 with SX1257 (background scan)
LoRa antenna type	External SMA
LoRa power output	up to 27 dBm (max)
Receiver sensitivity, dBm	up to -142
Number of channels	8
Security	AES 128
Communication range, km	up to 15

Package Content

Device	1
Adapter	1
LoRa antenna	1
LTE and Wi-Fi Antenna (optional)	1
GPS Antenna	1
- LTE M back haul SKU is customizable by request 3G/4G module is customizable to meet country specific regulations	

Order Info

SKU		Description
		Indoor LoRaWAN Gateway ORIONGATEWAY PICO 1 WAN RJ45 10/100Mbps (w/passive PoE capability); SIM card slot (2FF); GPS + GLONASS; EU862-870 MHz; DC jack in/1 terminal block
PICO 08-868M-EU-M	EC25-EUX module Bands: · LTE FDD – B1/B3/B5/B7/B20/B28A · WCDMA – B1 · GSM – B3	No Wi-Fi, GPS
PICO 08-868M-EU-M-W-G	· LTE TDD – B38/B40/B41	With Wi-Fi, GPS