

Greenpalm gateway Datasheet

Greenpalm gateway is a high-efficiency processor to handle a large number of packets per seconds with fully compatible LongFi. It consists of wireless LoRaWAN protocol . It is equipped with a Gigabit Ethernet interfaces and is able to handle to aggregate traffic coming from LoRaWAN.

Features

- Compatible with all LoRaWAN devices.
- Ultra-low power consumption: (5W)
- Signal range: up to 10+miles
- Connection ability: tens of thousands of LoRaWAN end nodes
- 2.4 GHz and 5.0 GHz IEEE 802.11ac wireless, Bluetooth 5.0, BLE
- Support GPS,BeiDou,LONASS and QZSS satellite navigation
- Gigabit Ethernet

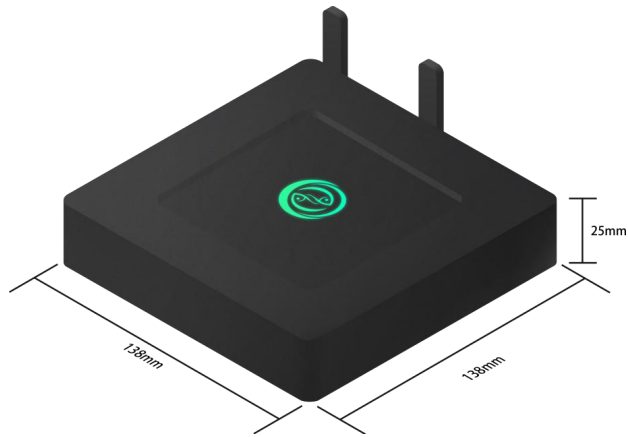
Test reference

Greenpalm gateway have proven sufficient to cover a city area of 10km x 10km, broadcasting the LoRa network.

Applications

- Intelligent building
- Smart household and home appliances

Dimensions and package



Connectors



Hardware Specifications

Product Model		Greenpalm gateway
Platform Configurations	Processor	Broadcom BCM2711B0 1.5GHZ (Cortex A-72)
	RAM	2GB LPDDR4-3200 SDRAM
	FLASH	64G micro SD
Input Voltage		DC 3V, 5V
Connectors	Ethernet	RJ45 Ethernet jack (10/100 port)
	Power	USB Type-C
Environmental	Operating Temperature	0° to +60° C
	Storage Temperature	-40° to +85° C
	Relative Humidity	20% to 90%, non-condensing
LoRa Specifications	LoRa Frequency Band	923MHZ/915MHZ/868MHZ/470MHZ
	LoRa Channel Plan	AS923/AU915/EU868/CN470
	Channel Capacity	8-channels uplink, 1-channel downlink
	LoRa Output Power	25dBm Maximum output power before antenna
Bluetooth 5.0	Frequency	2.4 GHz and 5.0 GHz
GPS	Frequency	1559~1609 MH
Physical Description	Dimensions (L x W x H)	126cm X 126cm X 126cm
	Chassis Type	PC-ABS
	IP Grade	IP30
	Color	Black