

Pisces Hotspot Gateway Specification

Pisces hotspot 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 kilometer
- Connection ability: tens of thousands of LoRaWAN end nodes
- 2.4 GHz and 5.0 GHz IEEE 802.3af wireless, Bluetooth 5.0, BLE
- Support GPS,BeiDou and GLONASS satellite navigation
- Gigabit Ethernet

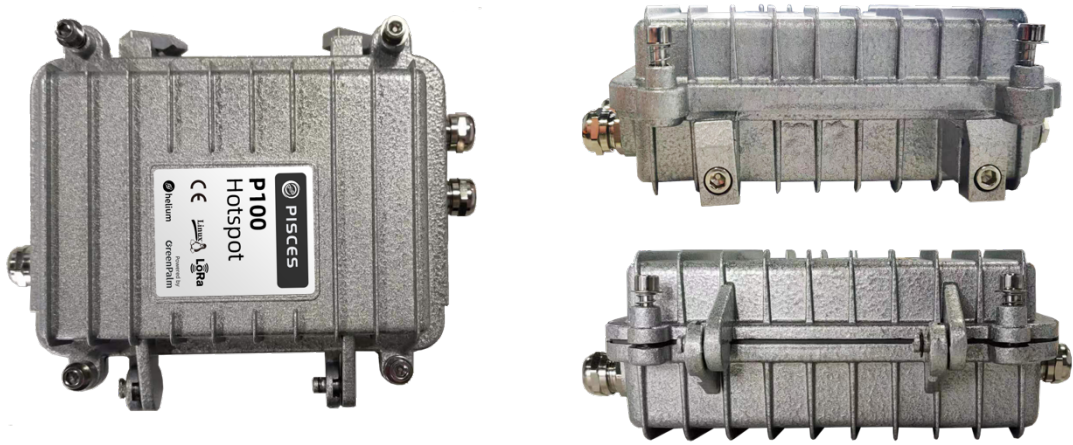
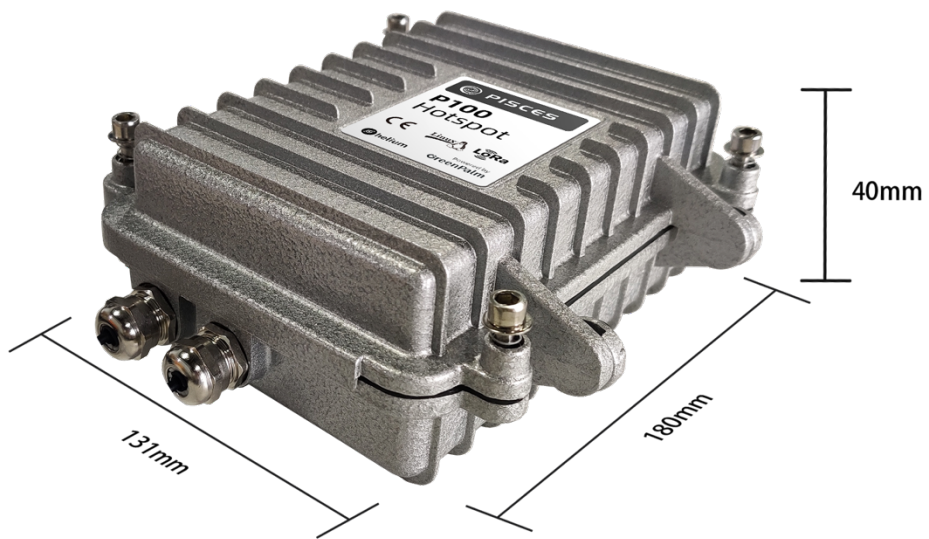
Test reference

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

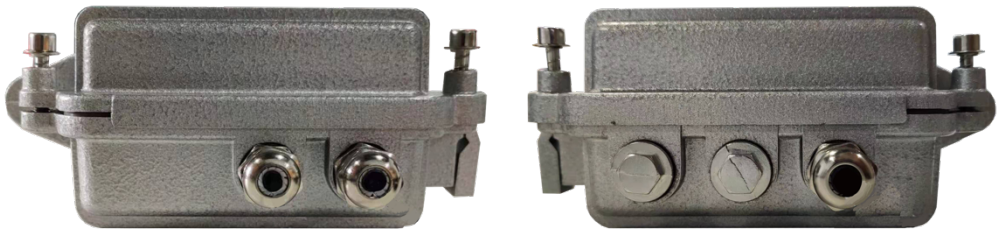
Applications

- Intelligent building
- Smart household and home appliances

Dimensions and package



Connectors



Hardware Specifications

Product Model		Pisces Hotspot
Platform Configurations	Processor	Arm64
	RAM	2-4GB LPDDR4-3200 SDRAM
	FLASH	64G micro SD
Input Voltage		POE Power supply (DC 37-57V)
Connectors	Ethernet	RJ45 Ethernet jack (10/100 Mbps)
	Power	USB Type-C
Environmental	Operating Temperature	-25° to +65°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	GPS L1:1575.42±1.023MHz BeiDou B1:1561.098±2.046MHz GLONASS L1:1597.78~1605.66MHz
Physical Description	Dimensions (L x W x H)	131mm X 180mm X 73mm
	Chassis Type	aluminium casting
	IP Grade	IP65
	Color	Silver