

Indoor Bluetooth Gateway

OVERVIEW

Lansitec Indoor Bluetooth gateway is based on Bluetooth 5.0 technology and LoRaWAN. It receives nearby Bluetooth beacon messages and transmits them to the server through LoRaWAN. With LoRaWAN technology, there is no network usage fee for long-distance transmission.

FEATURES

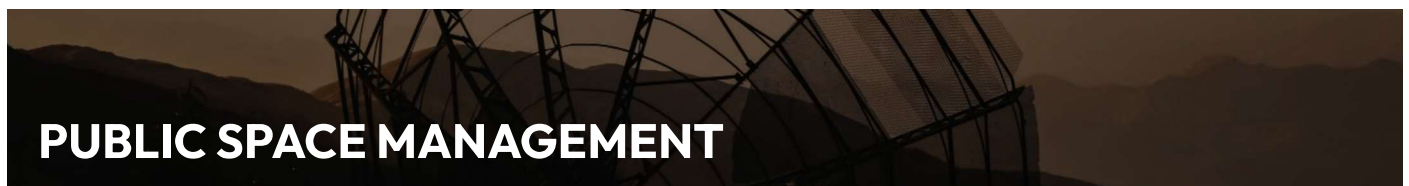
- For indoor senario
- Geo-fence
- Bluetooth 5.0 long distance, low power consumption
- Support LoRaWAN
- Support various tracking labels, beacons and bracelets
- Configurable Bluetooth payload
- Bluetooth sensor data communication:
transfer all kinds of BLE sensor data (temperature, humidity, liquid level, blood pressure, weight, position, etc.) to the LoRaWAN Gateway via LoRaWAN, and report them to your APP through internet.



USE CASES



Quickly locate medical equipment, such as CT machines, X-ray machines, and operating tables. This can help hospitals improve medical efficiency and avoid the loss or damage of medical equipment. Track drug inventory to ensure that drugs are delivered to patients in a timely manner. Help hospitals improve drug management and avoid drug expiration or loss.



Security guards, maintenance staff, and event organizers wear connected badges. Their movements are mapped in real-time, ensuring efficient deployment and response to emergencies. Lone staff working late have an extra insurance. Their badges trigger alerts if they remain stationary for too long or enter restricted areas, ensuring their safety.



Personnel tracking protects organizational security by tracking employee access to sensitive areas and assets. This real-time monitoring helps to prevent unauthorized entry, theft, and potential destruction, thereby protecting critical data, devices, and infrastructure.

Indoor Bluetooth Gateway

CONNECTIVITY

Bluetooth Protocol	Bluetooth 5.0
LoRaWAN Protocol	LoRaWAN 1.0.2B
LoRa Frequency	US915, AU915, EU868, EU433, AS923, RU864, KR920, IN865, CN470
LoRa Fastest Communication Frequency	5s
LoRa Sensitivity	-139dBm @SF12, BW125kHz, 434MHz/470MHz -137dBm @SF12, BW125kHz, 868MHz/915MHz

MECHANICS

Dimension	120*120*31mm
Weight	175g
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-45°C ~ +85°C
Operating Humidity	5% ~ 95% (non-condensing)

FUNCTIONS

Geo-fence	Support
Encryption	AES128
Transmission Capacity	100 beacon messages can be received within 1s, maximum of 15 beacon messages can be sent in one package
Adjustable Bluetooth Payload to be reported	Filter any data bytes in a Bluetooth payload and report any via LoRaWAN
Switch	Mechanical
Adjustable Position Report Interval	5s x n (1 to 65536)
Heartbeat Report Interval	30s x n (1 to 65536)
FOTA over Bluetooth	Support

POWER

Battery	Li-ion rechargeable battery, 600mAh
Power Supply Mode	5V/1A
Connect to Power Source	Yes
Charge Jack	Micro USB

Certification	CE, FCC, RCM
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ORDERING INFORMATION

Product Description	Part Number
Bluetooth Gateway, Bluetooth5.0, 120x120x31mm, CN470, 5V	100-18369
Bluetooth Gateway, Bluetooth5.0, 120x120x31mm, CN470-Ali, 5V	100-18370
Bluetooth Gateway, Bluetooth5.0, 120x120x31mm, IN865, 5V	100-18365
Bluetooth Gateway, Bluetooth5.0, 120x120x31mm, AU915, 5V	100-18465
Bluetooth Gateway, Bluetooth5.0, 120x120x31mm, AS923, 5V	100-18466
Bluetooth Gateway, Bluetooth5.0, 120x120x31mm, US915, 5V	100-18467
Bluetooth Gateway, Bluetooth5.0, 120x120x31mm, EU868, 5V	100-18468
Bluetooth Gateway, Bluetooth5.0, 120x120x31mm, IN865, 5V	100-18469
Bluetooth Gateway, Bluetooth5.0, 120x120x31mm, KR920, 5V	100-18378