

SOLAR BLUETOOTH GATEWAY

Lansitec Solar Bluetooth Gateway is designed based on LoRa and Bluetooth 5.0 technology. It receives nearby beacon information and resends it to LoRa gateway.

It is powered with robust solar film and 3000mAh rechargeable battery. Operating temperature is -40°C~70°C and charging temperature is -20°C~60°C. It is mainly used for mobile inspection and asset management.



KEY FEATURES

- Indoor positioning precision: 3m
- Maintenance free
- Wide operating temperature range
- Geo-fence
- Adjustable Bluetooth uploading frequency, extremely long standby time

SPECIFICATIONS

Access Quantity	> 500 in one LoRa gateway
Data Rate(bps)	300~30K
Protocol	LoRa WAN1.1, Bluetooth 5.0
Band	EU863-870, EU433, US902-928, CN470-510, Ali CN470-510, AU915-928, AS920-923, AS923-925, CLAA
Positioning Precision	3m
Beacon Access Quantity	100 beacon messages can be received within 1s, Maximum of 15 beacon messages at single LoRa communication
RF Power	17dBm
Peak Current	Maximum 140mA in transmit mode
Receive sensitivity	-142dBm@SF12
Encryption	AES128, X509
Dimension	158 × 90 × 60mm
Operating temperature	-40°C~+70°C
Charging temperature	-20°C~+60°C
Weight	150g
Battery	5400mAh
Solar panel	Solar film
Standby time	Standby time can be extended by adjusting Bluetooth on/off duty cycle, up to 10 continuous rainy days
FCC ID	2APPL-LSTR100
Function	Receive nearby beacon information and resend it to LoRa Gateway; Auto-arbitration: only information of new beacon or beacon leave the cover range of the gateway will be sent.

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ORDER INFORMATION

Name	Serial Number
BLE Gateway, built-in antenna, Intrinsic safety, BLE5.0, solar, CN470	100-02043
BLE Gateway, built-in antenna, BLE5.0, solar, CN470	100-02045
BLE Gateway, built-in antenna, BLE5.0, solar, EU868	100-02046
BLE Gateway, built-in antenna, BLE5.0, solar, AS923	100-02048
BLE Gateway, built-in antenna, BLE5.0, solar, US915	100-02049
BLE Gateway, built-in antenna, BLE5.0, solar, AU915	100-02050
BLE Gateway, built-in antenna, BLE5.0, solar, RU864	100-02051
BLE Gateway, built-in antenna, BLE5.0, solar, KR920	100-02052
BLE Gateway, built-in antenna, BLE5.0, solar, US915	100-02053