

# 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 5300mAh 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
Bluetooth Protocol	5.0
LoRaWAN Protocol	1.0.2B, US915, AU915, EU868, EU433, AS920-923, AS923-925, RU864, ID920, KR920, IN865, KZ865, CLAA, CN470, CN470-Ali
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	5300mAh
Solar panel	Solar film
Standby time	Use commands to change the period of position report to save power. The gateway works for a maximum of 30 days in continuous rainy days.
Certifications	CE, FCC, RCM, Exib II CT4
Function	Receive nearby Bluetooth beacon messages, then transmit to LoRa gateways through LoRaWAN after restructure the data.

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## ORDERING INFORMATION

Product Description	Part Number
Bluetooth Gateway, Built-in antenna, Intrinsic Safety, BLE5.0, Solar, CN470	100-02043
Bluetooth Gateway, Built-in antenna, BLE5.0, Solar, CN470	100-02045
Bluetooth Gateway, Built-in antenna, BLE5.0, Solar, EU868	100-02046
Bluetooth Gateway, Built-in antenna, BLE5.0, Solar, AS923	100-02048
Bluetooth Gateway, Built-in antenna, BLE5.0, Solar, US915	100-02049
Bluetooth Gateway, Built-in antenna, BLE5.0, Solar, AU915	100-02050
Bluetooth Gateway, Built-in antenna, BLE5.0, Solar, RU864	100-02051
Bluetooth Gateway, Built-in antenna, BLE5.0, Solar, KR920	100-02052
Bluetooth Gateway, Built-in antenna, BLE5.0, Solar, US915	100-02053