

Product Name	BLE 2.45GHz Active RFID Mini USB Tag
Product SKU	127045
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Based in New York City & Toronto, GAO RFID Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.

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BLE 2.45GHz Active RFID Mini USB Tag

1. Overview



- Mini size
- Powered by USB port
- iBeacon, Eddystone (UID, URL, TLM), KSensor broadcast at the same time
- All the parameters of this product can be modified via configuration App.CE/FCC certified



2. Description

127045 Beacon is a Mini USB Beacon with ultra-low power chipset nRF52 series and BLE 5.0 technology. 127045 Beacon is 5V USB port powered. It has very strong signal, it is designed for advertising and indoor location-based service. 127045 Beacon broadcasts 2.4GHz radio signals at regular and adjustable intervals. 127045 Beacon can communicate and integrate with iOS, Android, or other BLE4.0/5.0-enabled devices.

3. Specification

Size	22mm*16mm*6mm	BLE version	BLE5.0
Material	ABS	Protocol	iBeacon/Eddystone
Color	White, black (Other colors can be customized)	OTA	Yes
Weight	1.5g (without battery)	Button	N/A
Battery	USB powered 5.0V	LED	1 LED

Battery Life	Without battery	Sensor	N/A
Transmit range	100 meters in open area	Buzzer	N/A
Waterproof	N/A	Working temperature	-40°C~+70°C
Chipset	Noridc nRF52 series	Accessory	N/A

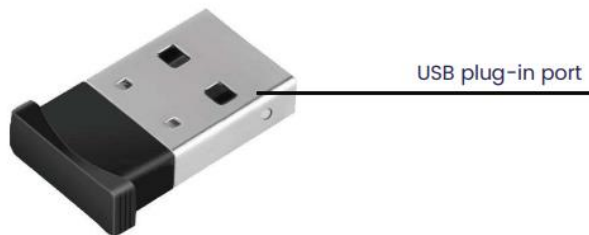
4. Features

- Mini size
- 5V USB powered
- Support iBeacon/Eddystone
- SDK or Library provided

5. Certification

- CE available
- FCC available

6. Product Detail



6.1 Compatibility

- Supported iOS 8.0+ and Android 4.3+ system.
- Compatible with Apple iBeacon standard.

- Compatible with all Bluetooth Low Energy 4.0/5.0 devices.

6.2 Power Supply

Without battery, powered by 5V USB port.

6.3 Configurable Parameters

- UUID, Major, Minor, Device Name, Device ID, Password, Advertising Interval, Tx Power etc.
- iOS and Android Configuration APP.

6.4 Transmission Power Levels

- Adjustable grades.
- Transmission power range: -40dBm to +4dBm.

6.5 Long Range

- Up to 100 meters in the open space.
- The range depends on the environment.

6.6 Security

- 16 Bytes encrypted password.
- Support Unconnectable Mode, to prevent malicious connections.

6.7 OEM Service

- Logo and device color customizable.
- Provided with your configuration (with MOQ).
- Additional optional sensors available.
- We can also provide users with the same type of products with 3-axis accelerometers according to customer's needs.

6.6 Firmware Update

- Supported update via Over-The-Air (OTA).

- Reserved J-Link port on the board for programming.

6.7 Default Broadcast Content

- Device Name
- Mac Address
- iBeacon (Including UUID, Major, Minor)

7. Configurable Parameters

Item	Default setting	Remark
Adv Interval	1000ms	Configurable range: 100~10000ms
Tx Power	0dBm	Configurable range: -40dBm~4dBm
Measure Power	-59dBm	RSSI@1m
Connectable Mode	Yes	'Yes' means connectable, 'No' means unconnectable
Beacon Type	iBeacon	Configurable Beacon Types: iBeacon, URL, UID, TLM, KSensor