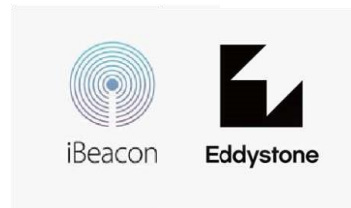


PC045N Beacon

Credit Card Size Beacon



More than 3.5 years battery life Waterproof IP67
iBeacon,



Description

PC045N Beacon is a portable Beacon Badge with ultra low power chipset Nordic NRF52 series and BLE 5.0 technology.

It is in credit card size and can be easily hanged in a lanyard. PC045N Beacon is IP67 waterproof. It has very strong signal, it is designed for personnel management, commercial advertising and indoor location-based service.

PC045N Beacon broadcasts 2.4GHz radio signals at regular and adjustable intervals. Beacon can be heard and interpreted by iOS and Android BLE-enabled devices that are equipped with many mobile apps.

Specification

Size	86mm*56mm*4.6mm	BLE version	BLE5.0
Material	ABS	Protocol	iBeacon&Eddystone
Color	White(Other colors can be customized)	OTA	supported
Weight	20g (with battery)	Button	1 button
Battery	Li-polymer battery (non-replaceable)	LED	1 LED

Battery Life	3.5 years (Base on broadcast interval 1s and Tx power 0dBm)	Sensor	Acceleration sensor NFC (optional)
Accessory	N/A	Buzzer	N/A
Waterproof	IP67	Working temperature	-40°C~+70°C
Chipset	Nordic nRF528 series	Storage temperature	10°C~+25°C ≤65%RH

Features

Bluetooth Low Energy 4.0/5.0

Ultra-low power consumption chipset nRF528 series

Logo and color customizable

Provide with your own configuration

Product Details

With a hole, easy to hang on lanyard



suitable for printing or QR code

External button

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.

High quality battery

Li-Polymer battery, battery is not replaceable.

Easy to get the real-time battery level notification.

Configurable Parameters

UUID, Major, Minor, Device Name, Device ID, Password, Advertising Interval, TxPower etc.

iOS and Android Configuration APP.

Transmission Power Levels

Adjustable grades.

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

Long Range

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

Security

16 Bytes (Lock/Unlock parameters).

Connection Mode

Advertising mode, non-connectable;

Configuration mode, connectable.

OEM Service

Logo and device color customizable;

Provided with your own configuration (with MOQ).

Firmware Update

Supported update via Over-The-Air (OTA)

Reserved J-Link port on the board for programming.

Additional optional sensors available

We can also provide users with the same type of products with 3-axis accelerometer according to customer's needs.

Configurable Parameters

Item	Default setting	Remark
Device Name	Pbeacon	
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	
UUID	EC555641-0EB3-4764- AC96-65D9AA07D5A2	
Major	47	
Minor	1	

Chapter 5 Contact Information

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FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

ISED Statement

- English: This device complies with Industry Canada license - exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES - 3 (B)/NMB - 3(B).

- French: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).