

U1 Beacon Bluetooth Beacon



- 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.



Description

U1 Beacon is a Mini USB Beacon with ultra low power chipset nRF52 series and BLE 5.0 technology.

U1 Beacon is 5V USB port powered. It has very strong signal, it is designed for advertising, indoor location-based service.

U1 Beacon broadcasts 2.4GHz radio signals at regular and adjustable intervals. U1 Beacon can communicate and intergrate with iOS, Android or other BLE4.0/5.0 enabled devices.

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

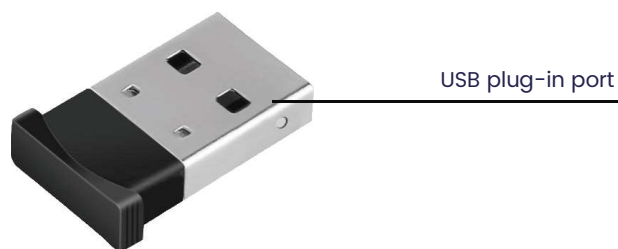
Features

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

Certification

- CE available
- FCC available

Product Details



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.

Power supply

- Without battery, powered by 5V USB port.

Configurable Parameters

- UUID, Major, Minor, Device Name, Device ID, Password, Advertising Interval, Tx Power 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 encrypted password.
- Support Unconnectable Mode, prevent from malicious connections.

OEM Service

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

Firmware Update

- Supported update via Over-The-Air (OTA).
- Reserved J-Link port on the board for programming.

Default Broadcast Content

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

Configurable Parameters

Item	Default setting	Remark
Device Name	KBPro_XXXXXX	XXXXXX (ID) is a digit number
Adv Interval	1000ms	Configurable range: 100~1000ms
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
UUID	7777772E-6B6B-6D63-6E2E-636F6D000001	
Major	Major and Minor combination is unique	
Minor		
Namespace ID	0x00000000000000000001	
Serial ID	0x00000000000001	
Eddystone URL	www.kkmcn.com	
Password	0000000000000000	

Contact Information

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FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition, compliance with exposure requirements.