■ YOUR COMPLETE IOT SOLUTIONS PARTNER

**KKM**

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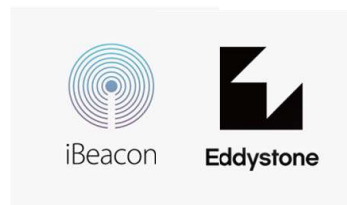
# K4/K41 Beacon
## Waterproof Beacon

- Up to 4 years battery life
- Waterproof IP67, replaceable battery
- Additional accelerometer available
- iBeacon, Eddystone(UID, URL, TLM), KSensor broadcast at the same time
- All the parameters of this product can be modified via configuration App.

Download on the App Store

GET IT ON Google play

iBeacon        Eddystone

# Description

K4/K41 Beacon is a waterproof beacon with ultra low power chipset nRF52 series and BLE 5.0 technology.

It has two screw holes, can be easily installed, K4/K41 has very strong signal. It has durable and industrial design, it can be used in harsh environment. K4/K41 is designed for commercial advertising and location-based service indoor or outdoor.

K4/K41 Beacon broadcasts 2.4GHz radio signals at regular and adjustable intervals. K4/K41 Beacon can communicate and intergrate with iOS, Android or other BLE4.0/5.0 enabled devices.

# Specification

| Size | Dia 38.6mm*15.7mm | BLE version | BLE4.0/BLE5.0 |
|---|---|---|---|
| Material | ABS | Protocol | iBeacon/Eddystone/KSensor |
| Color | Black, white(Other colors can be customized) | OTA | Yes |
| Weight | 25g (with battery) | Button | 1 button internal |
| Battery | CR2477(replaceable) | LED | 2 LEDs |
| Battery Life | 48 months (Base on Broadcast Interval 1 second and TX power 0dBm) | Sensor | Accelerometer (for K4 only) |
| Transmit range | 100 meters in open area | Buzzer | N/A |
| Waterproof | IP67 | Working temperature | -40℃~+70℃ |
| Chipset | Nordic nRF52 series | Accessory | 1*3M sticker or 2*screw |

# Features

- Up to 4 years battery life, battery is replaceable
- Waterproof IP67
- Additional accelerometer available
- Support iBeacon/Eddystone/KSensor
- SDK or Library provided

# Certification

- CE available
- FCC available

# Product Details

suitable for printing or QR code

Holes for screws mounting

### 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 and easy-to-replace battery
- CR2477 coin battery, commonly used and easy to replace.
- Easy to get the real-time battery level notification.

### 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)

# Packing Information

| Details | Inner Box (Battery is included) | Outer Carton (Battery is included) |
|---|---|---|
| Quantity | 30pcs/box | 300pcs/carton (10 inner boxes) |
| Net Weight | 0.75KG | 7.5KG |
| Gross Weight | 0.89KG | 9.4KG |
| Size | 27.5*17.5*5cm | 36*24*38cm |

# Configurable Parameters

| Item | Default setting | Remark |
|---|---|---|
| Device Name | KBPro_XXXXXX | XXXXXX (ID) is a digit number |
| 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 |
| UUID | 7777772E-6B6B-6D63-6E2E-636F6D000001 | |
| Major | Major and Minor combination is unique | |
| Minor | | |
| Namespace ID | 0x00000000000000000001 | |
| Serial ID | 0x000000000001 | |
| Eddystone URL | www.kkmcn.com | |
| Password | 0000000000000000 | |

# Contact Information

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