



**BAKELOR**  
Mobile IOT

## BLTC8 Rechargeable Card Beacon



IP67 Waterproof



Rechargeable



400mAh Battery



Multiple RFID  
frequencies



Low Power  
Consumption



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### Product Overview

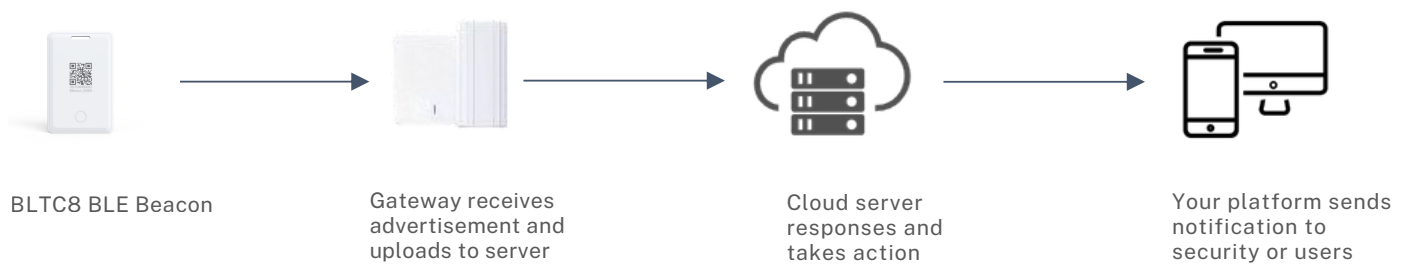


- Waterproof IP67
- With NFC optional
- Rechargeable battery
- With accelerometer optional
- All parameters can be configured via App or KGateway

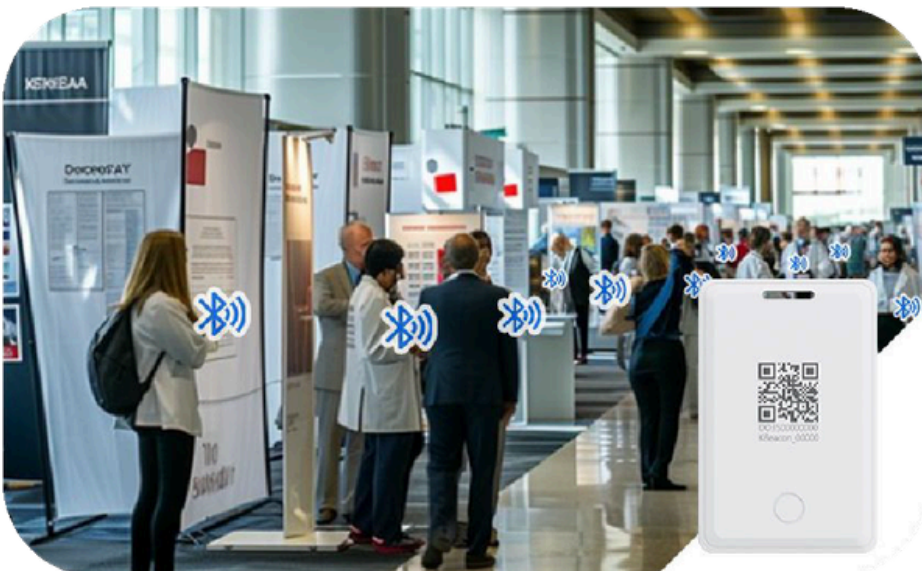
BLTC8/BLTC8P is a rechargeable beacon created for personnel management, which allows check-in/ out and flow monitoring. The charging port is magnetic that is easy to recharge. It is equipped with an external button. It can be used for tracking devices movement and motion, provides real-time employee tracking in various environments from warehouses to office buildings and hospitals.

It is IP67 waterproof. It can attach to the lanyard with comfortable wearing.

### How It Works



### Usage Scenarios



#### Large scale exhibitions

Wearing BLTC8 at large exhibitions can send welcome messages Record personnel visit information and booth popularity.. Marketing information push for booths.



## Asset Tracking

BLTC8 beacon can be used for asset tracking and management solutions in various scenarios, such as logistics, hospitals, warehouses, etc. It can track assets in real-time and manage inventory more efficiently.

## Product details



## Basic Specifications

|               |                 |        |                       |
|---------------|-----------------|--------|-----------------------|
| Size          | 86mm*56mm*5.4mm | Button | 1 Button (external    |
| Material      | ABS             | Sensor | button) Accelerometer |
| Housing Color | White           |        |                       |



|                                  |                                                    |                           |                                                                                                                                                             |
|----------------------------------|----------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Weight</b>                    | 24g (with battery)                                 | <b>Bluetooth Version</b>  | BLE 5.0/ BLE 4.x                                                                                                                                            |
| <b>Battery Capacity</b>          | Rechargeable battery, 400mAh                       | <b>OTA</b>                | Yes                                                                                                                                                         |
| <b>Battery Life</b>              | 16 months per charge, 2 hours for full recharge[1] | <b>TX Power</b>           | -40~8dBm                                                                                                                                                    |
| <b>Waterproof</b>                | IP67                                               | <b>Broadcast Interval</b> | 100ms ~ 40000ms                                                                                                                                             |
| <b>Working Temp&amp;Humidity</b> | -20 ~+60<br>0 ~ 99% RH                             | <b>LED</b>                | 1 LED                                                                                                                                                       |
| <b>RFID(optional)</b>            | NFC, RFID(LF/ HF/ UHF)                             | <b>Transmit Range</b>     | BLTC8 > 80m;<br>BLTC8P>80m(BLE4 .0),300m(BLE5 .0 Long Range) [2]<br>BLTCC8PS support scanning of surrounding devices as Repeater and encrypted broadcasting |

\* [1] Base on Broadcast Interval 1000 milliseconds and TX power 0dBm

\* [2] Base on installing in open space

## Broadcast Specifications

| Type(channel)                         | Item                                                                                                                          | Default Settings                                      |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>KSensor (on)</b>                   | <ul style="list-style-type: none"><li>Battery level</li><li>Temperature</li><li>Tamperproof alert</li></ul>                   | Not broadcast by default                              |
| <b>iBeacon (off)</b>                  | <ul style="list-style-type: none"><li>UUID</li><li>Major/Minor</li><li>Measured power</li></ul>                               | 7777772E-6B6B-6063-6E2E-636F6000000 0-65535<br>-59dBm |
| <b>Eddystone UID/URL/TLM (off)</b>    | <ul style="list-style-type: none"><li>Instance ID</li><li>Namespace ID</li><li>Measured power</li></ul>                       | Not broadcast by default                              |
| <b>System</b>                         | <ul style="list-style-type: none"><li>MAC Address</li><li>Model ID</li><li>Battery Percent</li><li>Software Version</li></ul> | Assigned at factory<br>C3: 31<br>0%~ 100%<br>6.x      |
| <b>Password</b>                       | <ul style="list-style-type: none"><li>Password</li></ul>                                                                      | 0000000000000000(default)                             |
| <b>Connectable Mode<sup>[1]</sup></b> | <ul style="list-style-type: none"><li>Connectable or not</li></ul>                                                            | Yes                                                   |

\* [1] If the device is set to non-connectable mode, the device will enter the connectable mode and broadcast system advertisement for 30 seconds after battery reinstalled



## Basic Operation

**Factory Default Setting:** Device is powered off.

**Power On :** Press and hold the button for 3 seconds; LED flashes once when powering on.

**Power Off :** Press and hold the button for 6 seconds LED flashes 8 times when powering off.

## Mounting Accessories

| Mounting Accessories                   |                                                                                     |        |
|----------------------------------------|-------------------------------------------------------------------------------------|--------|
| Accessory Type                         | Magnetic charging cable                                                             | Screws |
| Picture                                |  | N/A    |
| Accessories included (for each Beacon) | Magnetic charging cable *1                                                          | N/A    |

## Packaging Information

| Details      | Inner Box (Battery is included) | Outer Carton (Battery is included) |
|--------------|---------------------------------|------------------------------------|
| Quantity     | 30pcs                           | 660pcs/CTN (22 inner boxes)        |
| Net Weight   | 0.65KG                          | 14.3KG                             |
| Gross Weight | 0.74KG                          | 18KG                               |
| Size         | 18*9 *6cm                       | 36* 24*38cm                        |