



MOKO SMART

# Safe and Rechargeable Your Trusty Assurance

## B5 Rechargeable Badge

The B5 Rechargeable Badge is a portable Bluetooth LE badge featuring a dual-button design and magnetic charging capability. It is compatible with the Bluetooth® 5.0 standard and allows users to send various SOS alerts to gateway nodes or central controls by simply pressing the SOS button.

Additionally, it features RFID functionality for access control and attendance management, as well as a vibration motor. Due to these advanced features, the B5 Rechargeable Badge can be widely utilized in hotels, schools, hospitals, and beyond.

### Application



#### Healthcare

- Duress calling
- Restriction access
- Location awareness



#### Construction

- Detect near-misses
- Geo-fence alerts
- Instant SOS alert



#### Smart Office

- Visitor flow management
- Access control



#### Hotel

- Duress alerts to precise location of situation
- Attendance Management
- Real-time notifications



### General Specs

|                   |                                                                                    |
|-------------------|------------------------------------------------------------------------------------|
| Connectivity:     | BLE 5.0                                                                            |
| Dimensions(mm):   | 91.0*59.0*7.5                                                                      |
| Weight:           | 32g                                                                                |
| Color:            | Body: white, Button: black<br>(button color can be customized)                     |
| Material:         | PC+TPU                                                                             |
| IP rating:        | IP66                                                                               |
| RFID/NFC:         | HF   LF/UHF (customizable)                                                         |
| LED:              | 3*monochromatic LED (red, green, blue)                                             |
| Sensor:           | Accelerometer   Buzzer(85dB)   Vibration motor                                     |
| Battery capacity: | 350mAh   rechargeable                                                              |
| Battery lifespan: | Advertising mode*: 18 months (default setting)<br>Long connection mode*: 17 months |
| Charging time:    | Approximate 3h (under 25°C conditions)                                             |

|                        |                                    |
|------------------------|------------------------------------|
| Operating temperature: | -20°C ~ +60°C                      |
| Transmission range:    | Up to 150m (without any obstacles) |
| Installation:          | Lanyard                            |
| Certification:         | FCC   CE   RoHS   REACH            |



Advertising mode\*: The lifetime estimated based on advertising mode and broadcasting in a non-connected state under 25°C conditions.

(0dBm Tx Power | 1000ms ADV interval | Continuous broadcast | No accelerometer sensor)

Long connection mode\*: The lifetime estimated based on the smartphone/gateway maintains a long connection with the B5 under 25°C conditions.



IP66 Waterproof



Easy magnetic charging



Instant SOS alerts



Multi-functional dual button



Buzzer notification



Vibration motor notification



Alarm event record



Built-in RFID

#### FCC STATEMENT

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. 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.

#### RF warning statement:

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