

# W6 Wristband Beacon

## Product Brief



Designed with wearable bracelet shape, also integrated with 3-axis accelerometer sensor, W6 Wristband Beacon can be available for the scenarios of personnel tracking, access management and indoor location-based service.

### Personnel tracking ensures the safety of patient and employee

- Stable advertising signal makes it easy to track and locate your patients, employees and students.
- Emergency button to notify emergency situations, task completion, or other predefined events in time.

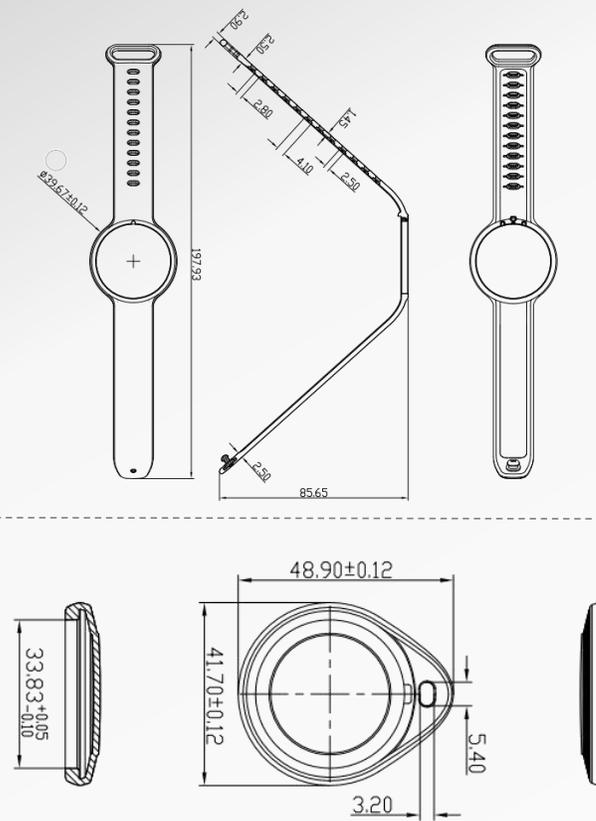
### Marketing promotion

- ✓ Personnel tracking.
- ✓ Multiple wearing style with lanyard or strap.
- ✓ Rugged wearable design with IP67 waterproof.
- ✓ Replaceable lithium battery.
- ✓ Access control management.
- ✓ Long broadcasting distance(up to 150m)\*.

### All-round service to save your time and costs to market quickly

- Certified for USA (FCC), Europe (CE) including REACH and RoHS environmental regulation
- All other worldwide certifications can be customized
- Branding, Logo, Label, Packaging, Manufacture parameters, strap, even hardware and firmware are all customizable

\*Long broadcasting distance: Tested in ideal environment without obstacles.



## General Features

Main Chip	Nordic nRF52810
Bluetooth	Bluetooth 4.2 (hardware compatible with bluetooth 5)
Range	Up to 150 meters (in the open area and no obstacles)
Dimension	48.9mm x 41.7mm x 12mm (Main body)
Antenna Type	PCB Onboard
Material	ABS+PC & TPU
Waterproof	IP67
Color	Black
Installation	Wrist wear, Keychain, Hang, Neck chain
Button	Mechanical button
LED	Single RED LED
Sensor	3-axis accelerometer sensor (optional) Mifare Classic 1k EV1 RFID
Operating temperature	-20°C / + 60°C
Storage temperature	-20°C / + 70°C (without battery) 10°C / + 25°C (with battery)
Humidity	0% ~ 95% (non-condensing)

## Functions

Advertising format	Apple iBeacon Google Eddystone (UID, URL, TLM) MOKO BeaconX Pro sensor data ( with 3-axis G-sensor)
Multi-advertising	Support up to 6 active slots (Beacon can broadcasts different advertising packets separately)
Configurable list	Advertising format and data/ Beacon name Tx Power/ Advertising interval Connection password/ Trigger options/ Sensor parameters
Proximity promotion	Calculate the distances through RSSI and push specified advertising promotion information
Sensor sampling	Broadcast or notify the 3-axis G-sensor data in real time (with 3-axis G-sensor)
SOS emergency (Button trigger)	Two or three times to click the button to change the advertising status and data for emergency help
Firmware update	Nordic DFU OTA/ J-link
Configuration APP	iOS and Android are available Scanning the advertising data and connecting to configure all parameters Open APP SDK for customer to develop

## Power

Power supply	Replaceable CR2032 Lithium Coin Cell Battery 220mAh
Average current	15.6uA (Default settings*)
Lifetime	13 months (Default settings*)

*Default settings - 1 active slot, 1000ms ADV interval, 0 dBm Tx power and without 3-axis sensor.*

## Service and Customization

Certification	USA (FCC), Europe (CE-RED, CE-LVD, CE-EMC, REACH, RoHS ) Other certifications can be customized
Manufacture customization	MP Pre-configuration parameters Packaging/ Laser logo/ Label/ Sensor/ Strap/ RFID
Development	Custom firmware development Customer firmware programing Custom hardware design and layout



# Contact Us

## MOKO TECHNOLOGY LTD.

Add: 4F, Building2, Guanghui Technology Park,  
MinQing Rd, Longhua, Shenzhen, Guangdong, China

Tel: 86-75523573370

Fax: 86-75523573370-808

E-mail: [Support\\_BLE@mokotechnology.com](mailto:Support_BLE@mokotechnology.com)

Website: [www.mokoblue.com](http://www.mokoblue.com)

[www.mokosmart.com](http://www.mokosmart.com)



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