W5 Tracker Beacon
Product Brief

Designed with wearable bracelet shape and IP67 waterproof sturcture, also integrated with 3-axis accelerometer sensor, W5 Tracker Beacon can be available for the scenarioes of personnel tracking/nursing monitoring and etc.

Personnel tracking ensures the safety of patient and employee

- Long and stable advertising signal make 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 or nursing monitoring cases.

✓ Multiple advertising protocol provided and customized format supported.

✓ Rugged wearable design with IP67 waterproof.

✓ Indoor Location-based services and SOS services.

✓ High quality rechargeable lithium battery.

✓ Long broadcasting distance(up to 160m)*.

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.

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iBeacon   Eddystone   RFID   N   FC   CE   REACH   RoHS

General Features

Wrist Size
140-210mm

Main Chip	Nordic nRF52832
Bluetooth	Bluetooth 4.2 (hardware compatible with bluetooth 5)
Range	Up to 160 meters (in the open area and no obstacles)
Dimension	255mm x 35.7mm x 11.7mm
Weight	32g (With battery and without strap)
Material	Glass+PC & TPU
Waterproof	IP67
Color	Black
Installation	Wrist wear
Button	Mechanical button
LED	RGB LED
Sensor	3-axis accelerometer sensor (optional)
RFID	MIFARE Classic EV1 RFID (optional and customizable)
Operating temperature	-20°C / + 60°C
Storage temperature	10°C / + 25°C
Humidity	0% ~ 95% (non-condensing)

Functions

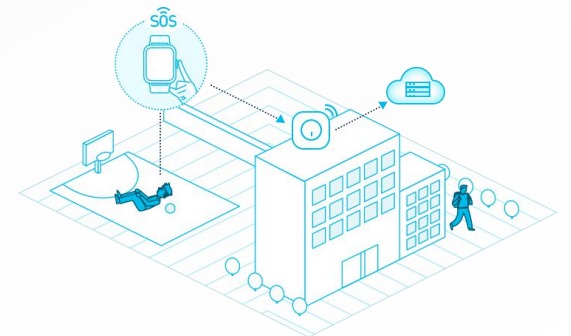|	
Advertising format	Apple iBeacon Google Eddystone (UID, URL, TLM) MOKO BeaconX Pro sensor data (with 3-axis G-sensor)
Multi-advertising	Support up to 6 active slots (Beacon can broadcasts different advertising packets separately)
Configurable list	Advertising format and data/ Beacon name Tx Power/ Advertising interval Connection password/ Trigger options/ Sensor parameters
Motion detection	3-axis G-sensor identify whether the Beacon is moving to change the advertising status and data
NFC wakeup	Beacon can be waken up and start broadcasting when NFC Tag scanned by NFC Readers
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	Non-replaceable Lithium polymer battery Rechargeable 230mAh
Average current	26.4uA (Default settings*)
Lifetime	10 months (Default settings*)

Default settings - 1 active slot, 1000ms ADV interval and 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
Development	Custom firmware development Customer firmware programing Custom hardware design and layout

Contact Us

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