

# W2 Wristband Beacon

## Product Brief



W2 Wristband Beacon with rechargeable battery , reaches IP67 waterproof level. It is suitable for people tracking and location in the theme park or water park.

W2 has two model, W2 Beacon and W2-S Tracker. W2 Beacon is aiming at personnel tracking scenarios, and W2-S Tracker focus on contact tracing function in order to provide you with real-time alerts for social distance.

### 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.

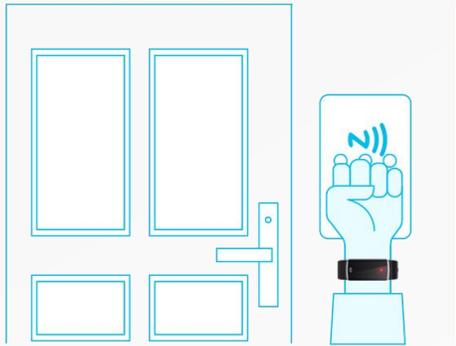
### Marketing promotion

- ✓ Personnel tracking.
- ✓ Multiple advertising protocol provided and customized format supported.
- ✓ Rugged wearable design with IP67 waterproof.
- ✓ Rechargeable lithium battery.
- ✓ NFC wakeup.
- ✓ Real-time alerts for social distance. (W2-S\* exclusive)

### 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

\* W2-S: Not support advertising Eddystone, advertising sensor data, configuration of sensor parameters, NFC wake up and button trigger.



## General Features

Main Chip	Nordic nRF52832
Bluetooth	Bluetooth 4.2 (hardware compatible with bluetooth 5)
Range	Up to 50 meters (in the open area and no obstacles)
Dimension	251.0mm x 20.2mm x 12.0mm
Weight	24.8g (with battery)
Material	PC & TPU
Waterproof	IP67
Color	Black
Installation	Wrist wear
Button	Touch button
LED	Red LED or RGB LED
Sensor	3-axis accelerometer sensor (optional) Motor (W2-S)
Operating temperature	-20°C / + 60°C
Storage temperature	10°C / + 25°C
Humidity	0% ~ 95% (non-condensing)

## Functions

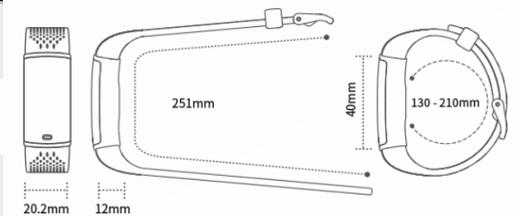
Advertising format	Apple iBeacon Google Eddystone (UID, URL, TLM) MOKO BeaconX Pro sensor data (with 3-axis G-sensor)
Multi-advertising	Support up to 6 active slots (Beacon can broadcasts different advertising packets separately)
Configurable list	Advertising format and data/ Beacon name Tx Power/ Advertising interval Connection password/ Trigger options/ Sensor parameters
Social distance alerts	W2-S will trigger vibrating and LED flashing when someone approaches you less than 2 meters / 6 feet (W2-S* exclusive)
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
BLE Scanning	W2-S support the host BLE scanning function, and can search the broadcast information of surrounding BLE devices (W2-S* exclusive)
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 80mAh
Average current	26.4uA (Default settings* for W2) 2.81mA (Contact tracing mode* for W2-S)
Lifetime	3.5 months (Default settings* for W2) 1 day (Contact tracing mode* for W2-S)

## 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 programming Custom hardware design and layout



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

b) Contact tracing mode - 1000ms ADV interval, 0 dBm Tx Power and BLE scanning turned on.

# Contact Us

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