

W3 Pro Beacon

Product Brief



W3 Pro Beacon uses a PVC medical disposable tamper-proof strap for unparalleled safety and independence. It is suitable for location tracking in a range of medical situations, such as hospitals and nursing homes.



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.

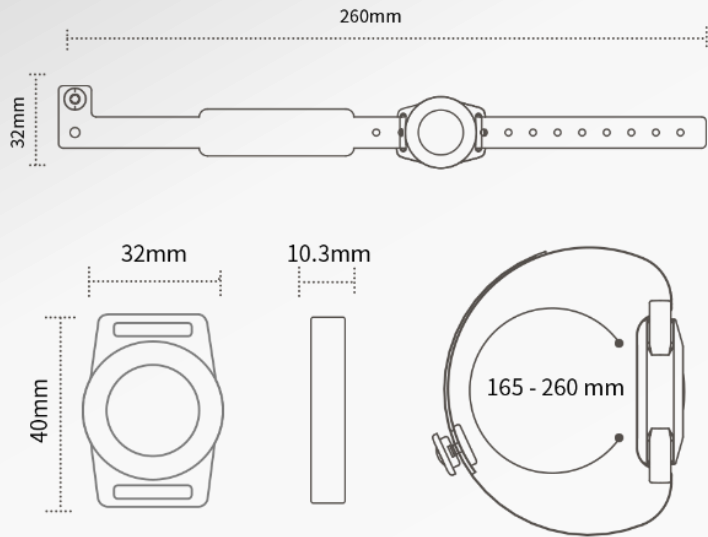
Flexible features and functions enable W3 Pro Beacon to join your solution easily

- Support Apple iBeacon, Google Eddystone (UID, URL, TLM) and Moko BeaconX Pro Beacon protocols
- 3-axis accelerometer sensor for motion detection can identify whether the user is moving
- Raw sampling data of G-sensor can identify people falling or other dangerous motions
- RFID can be integrated in the disposable tamper-proof strap
- Smartphone app (iOS & Android, and provide SDK) easily configures all parameters

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





General Features

Main Chip	Nordic nRF52810
Bluetooth	Bluetooth 4.2
Range	Up to 130 meters (in the open area and no obstacles)
Dimension	40mm x 32mm x 10.3mm (Beacon) 260mm x 32mm (Beacon strap)
Weight	10g (With battery and without strap)
Material	ABS+PC & TPE (Beacon) PVC (Beacon strap)
Waterproof	IP67
Color	White
Installation	Wrist wear, Keychain, Hang, Neck chain
Button	Mechanical button
LED	Single red LED
Sensor	3-axis accelerometer sensor (optional)
RFID/NFC	Integrated in the strap (need to be customized)
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)
Configuration	Advertising format and data/ Beacon name Tx Power/ Advertising interval Connection password/ Trigger options/ Sensor parameters
Sensor sampling	Broadcast or notify the 3-axis G-sensor data in real time (with 3-axis G-sensor)
Motion detection	3-axis G-sensor identify whether the Beacon is moving to change the advertising status and data
Power saving mode	Motion detection stops Beacon broadcasting and make Beacon to sleep
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 220mAh lithium coin CR2032 battery
Average current	15.6uA (Default settings*, without 3-axis G-sensor) 24.8uA (Default settings*, with 3-axis G-sensor and motion detection is always active)
Lifetime	13 months (Default settings*, without 3-axis G-sensor) 9 months (Default settings*, with 3-axis G-sensor and motion detection is always active)

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/ Strap/ RFID
Development	Custom firmware development Customer firmware programming Custom hardware design and layout

Default settings - 1 active slot, 1000ms ADV interval and 0 dBm Tx power

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

Website: www.mokoblue.com

www.mokosmart.com



MOKO SMART