

H5 RFID Beacon

Product Brief



Designed with rugged structural to achieve IP66 waterproof , and integrated with RFID tag, as well as external independent button, H5 RFID Beacon is the comfort choice to achieve personnel access control or visitor analytics in the school/exhibition center or emergency assistance in hospital.

Access control service to achieve easier personnel management

- RFID tag available to achieve access control or visitor analytics feature.
- Rugged design with IP66 waterproof can be used in the complex environments.
- External independent button to achieve SOS services.

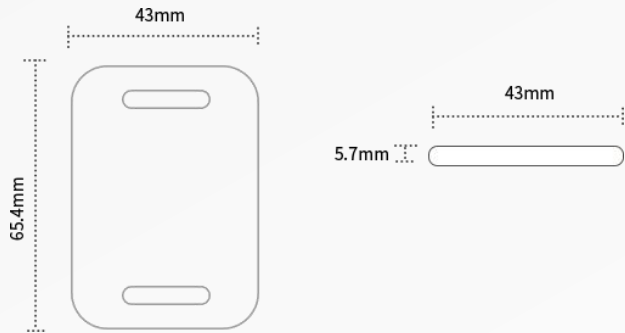
Marketing Promotion

- ✓ Personnel access control or visitor data analytics.
- ✓ Multiple advertising protocol provided and customized format supported.
- ✓ Rugged design with IP66 waterproof.
- ✓ Indoor Location-based services and SOS services.
- ✓ Replaceable High-capacity battery. (Differ to H3)
- ✓ Long broadcasting distance(up to 150m)*.

All-round service and customization 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, 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	65.4mm x 43.0mm x 5.7mm
Weight	17.8g (with battery)
Material	ABS+PC & TPU
Waterproof	IP66
Color	White
Installation	Hang, Neck chain, Sticker
Button	Mechanical button
LED	Single red LED
Sensor	3-axis accelerometer sensor (optional)
RFID	13.56Mhz MIFARE Classic EV1 RFID (customizable)
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
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
Sensor sampling	Broadcast or notify the 3-axis accelerometer sensor data in real time.
Indoor positioning	Calculate the distances through RSSI and utilize triangulation location to achieve indoor positioning
Access control	RFID quick scanning and visitor/employee information advertising.
Configuration APP	iOS and Android are available Scanning the advertising data and connecting to configure all parameters Available APP SDK for customer to develop
Firmware update	Nordic DFU OTA/ J-link

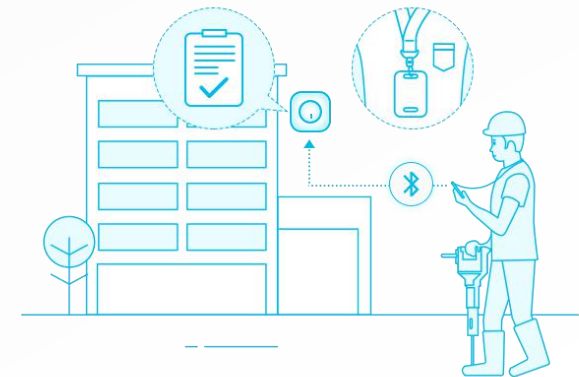
Power

Power supply	Replaceable CR3032 Lithium Coin Cell Battery 550mAh
Average current	15.6uA (Default settings*)
Lifetime	3 years (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/ NFC
Development	Custom firmware development Customer firmware programming Custom hardware design and layout



Contact Us

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