H3 Badge Beacon

Product Brief

Designed with ultrasonic welding structure, and integrated with RFID tag, high-capacity battery as well as independent button, H3 Badge Beacon is the best choice to achieve personnel access control/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.
- Ultrasonic welding structural design with IP67 waterproof can be used in the complex environments.
- Internal independent button to achieve SOS or self-defined services.

Marketing Promotion

✓ Personnel access control or visitor data analytics in school/exhibition.

✓ Multiple advertising protocol provided and customized format supported.

✓ Ultrasonic welding structural design with IP67 waterproof.

✓ Indoor Location-based services and SOS services.

✓ 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.

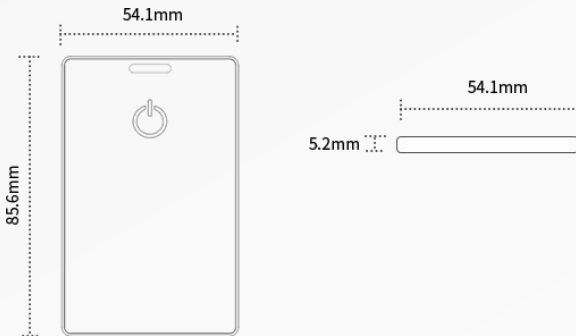*Long broadcasting distance: Tested in ideal environment without obstacles.

iBeacon Eddystone RFID N FC CE REACH ROHS

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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	85.6mm x 54.1mm x 5.2mm
Weight	20g (with battery)
Material	ABS
Waterproof	IP67
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	10°C / + 25°C
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. (Optional)
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

Dimensions: 54.1mm, 85.6mm, 5.2mm

Power

Power supply	Non-replaceable Li-MnO$_2$ Battery 800mAh
Average current	15.6uA (Default settings*)
Lifetime	5 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/ RFID
Development	Custom firmware development Customer firmware programing Custom hardware design and layout

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Contact Us

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