



85mm x 5.2mm x 54mm

BTBH3 BEACON CARD

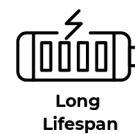
The BTBH3 Beacon Card is a slim, credit card-sized BLE beacon designed for long-range communication and versatile indoor applications. With a transmission range of up to 150 meters (depending on environment), it delivers reliable performance for location-based services, marketing, and access control. Powered by the ultra-low-power Nordic nRF52 chipset, the BTBH3 achieves exceptional energy efficiency, offering up to 5 years of battery life using a high-quality Li-MnO₂ battery.

The BTBH3 Beacon Card supports multiple broadcasting protocols including iBeacon and Eddystone (UID, URL, TLM) simultaneously, and all parameters can be easily configured via a mobile app (iOS & Android). Optional features such as motion sensing, RFID integration, and a programmable button further expand its capabilities for smart access control, asset tracking, and interactive services.

- Bluetooth Low Energy (BLE) with Nordic nRF52 chipset
- Up to 150m broadcasting range (environment-dependent)
- Adjustable transmission power (-40dBm to +4dBm)
- Compatible with Bluetooth 5.0, iOS 7.0+, and Android 4.3+
- Configurable hardware and firmware options
- Strong, waterproof design for challenging environments
- Capable of broadcasting up to 5 URLs
- Fully configurable parameters via mobile app
- Low battery alerts via LED and real-time notifications
- IP66 waterproof with ultrasonic welded enclosure
- Built-in high-performance 50-ohm antenna

Technical Specs

Main Chip	Nordic nRF52
Bluetooth	Bluetooth 5.0
Range	Up to 150 meters/490 feet (open area)
Dimension	85mm x 54mm x 5mm
Weight	20g (with batter)
Material	ABS
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	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)
Configuration 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

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 programming Custom hardware design and layout

Power

Power supply	Non-replaceable Li-MnO2 Battery 800mAh
Battery replaceable	No
Lifetime	5 years (Default settings*)

**It is important to note that BTBH3 beacon card is exclusively compatible with BeWhere's BeSol+ and BeWired+ which functions as a gateway device for data transmission. This creates a connected network of devices that supports efficient asset monitoring, improved visibility, and streamlined operations.

