BLE 2.45GHz Water proof personnel Tag/Beacon

Personnel Card type beacon/tag operates at 2.45GHz, the card tag is a new generation beacon that is loaded with Bluetooth 5.0 hardware platform, and supports to advertise standard iBeacon. The Card beacon tag combines standard iBeacon, Eddystone (UID, URL, TLM) all together and simultaneously. The push button can be used for panic / emergency / SOS need. LF(125KHz), HF(13.56MHz), UHF(868~960MHz) RFID features are optional either.

Main Features:

- ✓ Standard iBeacon, free band of 2.45GHz
- ✓ Bluetooth 4.0/5.0 chipset
- ✓ The max. 100 meters reading distance with gateway or any other Bluetooth Featured devices (e.g. iPhones, Android smart devices, etc.)
- ✓ IP67 waterproof housing
- ✓ Built-in Panic Button design
- ✓ Optional NFC integration or other frequency RFID chips
- ✓ Ultra-low power consumption chipset nRF52 series 4 year of battery life time.

Applications:

- ❖ BLE sensor reader / receiver
- ❖ Asset tracking
- ❖ Access control management
- ❖ Advertisement promotion
- ❖ Indoor location and position
- ❖ People Tracking
- ❖ IoT related
- ❖ Active RFID

Technical Specifications:

Size/Weight	86mm*56mm*4.6mm / 20g
Bluetooth	Bluetooth low energy 4.0/5.0
Frequency	2.45GHz
Support Protocols	Apple iBeacon, Eddystone URL, Eddystone UID, Eddystone TLM
Beaconing Interval	Software Configurable 100ms to 10s
Transmit power	-40 ~ 4dBm
Operating / Storage temperature	-40°C to 70°C / 10°C to 25°C
Humidity	Max 95%, Non condensing, relative humidity
Waterproof	IP67
Panic Button	Built-in
Accelerometer/Vibration Sensor	Optional
NFC Chip	Optional

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