

2.45GHz Tamperproof and Body Temperature Sensor Bracelet

Bracelet style Beacon/tag combines together with standard iBeacon and Eddystone (UID, URL, TLM). The tags broadcast 2.45GHz radio signals at regular and software adjustable intervals. The reading range between this bracelet beacon and receivers is up to 100 meters. The Bracelets is a smart tag, designed for quarantine management with Geo-fencing. With BLE5.0 and its smart design, The Bluetooth Tamperproof tag would send alarm signal when the wristband is being cut off or belt opened. The built-in temperature sensor allows itself to measure human body temperature in real time and the internal large memory can store up to 40K groups of temperature data.

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.)
- ✓ Battery recharge-able
- ✓ Tamperproof and cut-off alert
- ✓ Built-in temperature sensor
- ✓ Ultra-low power consumption chipset nRF52 series

Applications:

- ❖ BLE sensor reader / receiver
- ❖ Personnel tracking
- ❖ Access control management
- ❖ Advertisement promotion
- ❖ Indoor location and position
- ❖ Infant/Patient/prisoner Tracking
- ❖ IoT related
- ❖ Active RFID

Technical Specifications:

Size/Weight	45mm*50mm*260mm / 48g
Material	ABS + Silicone
Bluetooth	Bluetooth low energy 4.0/5.0
Frequency	2.45GHz

Product Overview

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Support Protocols	Apple iBeacon, Eddystone URL, Eddystone UID, Eddystone TLM
Beaconing Interval	Default 1000mS
Transmit power	-40 ~ 4dBm
Motion / Vibration Sensor	Optional
Water/Dust Proof	IP67
Operating / Storage temperature	-40°C to 70°C / 10°C to 25°C
Battery	Rechargeable Li-polymer battery, up to 18 months per full charge
Humidity	Max 95%, Non condensing, relative humidity
Cut-off Alert	Built-in
Disassembled or taken-off Alert from Wrist	Built-in
Human Body Temperature measurement	Built-in

