

## WRISTBAND BEACONY (BLE)



Global Tag **WRISTBAND BEACONY** is a BLE (Bluetooth Low Energy 4.2) Smart Beacon designed for people monitoring and workers safety.

- Waterproof silicone case
- Anti-removal clip
- ON/OFF button with additional functions (reset, alarm)
- Battery CR2032 replaceable
- Press-fit housing closure
- Up to 200m detection distance
- iBeacon and Eddystone (UID, URL, TLM) compliant
- Sticker with Mac Address (and its QRcode) and Friendly Name on the beacon surface
- Optionally, accelerometer, temperature/humidity sensor
- Optionally, NFC integrated
- Choice between a wide range of Firmwares

## **MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS:**

**Dimensions:** length = 240mm / 0,94in, width = 18mm / 0,71in, watchcase diameter = 34mm / 1,34in

**Thickness:** 12mm / 0.3937in

**Weight:** 25gr (including battery)

**Material:** Silicone (external case) – Polycarbonate (internal case)

**Color:** White (customized on request).

**Class Protection:** IP67

**Battery type:** CR2032 replaceable (Panasonic®).

**Battery life:** One year (with Broadcast Interval: 1 second and Tx Power: 0dB)

**System-On-Chip (SoC):** Nordic 52810

**Storage Temperature:** -15°C to +50°C / 5°F to +122°F

**Operating Temperature:** -15°C to +45°C / 5°F to +113°F

**Delivery format:** Singulated

**Expected lifetime:** Years in normal operating conditions

**G-Sensor:** ST Microelectronics mod. LIS3DH

**Temperature/humidity sensor:** Sensirion mod. SHT3x-DIS

## **ELECTRONIC AND OPERATIVE PARAMETERS:**

**Operation Frequency:** 2400-2483,5MHz

**IEEE Standard:** 802.15.1 (Bluetooth 4.2 Low Energy BLE)

**Transmission distance:** up to 200meters

**Transmission Power:** 4 different Level (-23dBm / -6dBm / 0dBm / +4dBm)

**Default Broadcast Interval:** 1s.

**Broadcast interval:** 100ms to 10000ms. (step of 100ms) – Except optional “Longer Broadcast Interval FW”

**Support Operating System:** iOS7.0 and Android 4.2+

**Scan Response:** Yes (max 31Byte Length), containing Battery level, Device name (11Byte), Sensors value

**FCC and CE Certification**

## **CUSTOMIZATION OPTIONS:**

**Housing Printing :** Logo printing or serial number laser engraving

**Label on surface:** Label can be customized according to customer's request

**Setting / Encoding:** Beacons services values can be pre-set as per customer's requirement (from xls file)

**Available sensors:** Accelerometer and/or temperature/humidity sensor

**Firmware:** Different FW are available, which can be uploaded on request

### **APPLICATION NOTE:**

Indoor People Positioning, Patient Tracking, Worker Safety, People Access Control

### **PRODUCT CODE AND ORDER INFORMATION:**

**GT-WRSBY-BLE:** wristband Beacony without sensors

**GT-WRSBY\_A-BLE:** wristband Beacony with accelerometer

**GT-WRSBY\_TH\_BLE:** wristband Beacony with temperature/humidity sensor

**GT-WRSBY\_ATH-BLE:** wristband Beacony with accelerometer and with temperature/humidity sensor

**For any clarification, please do not hesitate to contact us at any time:**

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