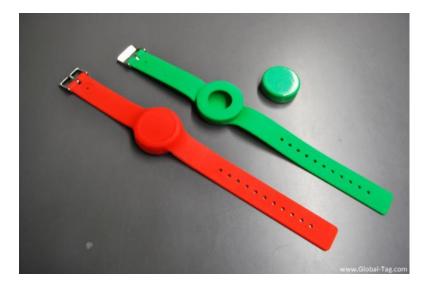
### PRODUCT DATASHEET















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 <u>Broadcast Interval</u>: 1 second and <u>Tx Power</u>: 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 Microelecronics 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 200 meters

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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# **DISCLAIMER**

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Application recommendations are guidelines only - actual results may vary and should be confirmed. This is a general purpose product not designed or intended for any specific application.

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