PRODUCT DATASHEET
GLOBAL TAG WRISTBAND BEACONY (BLE)

Global Tag **BLE WRISTBAND BEACONY** is a **BLE** Bluetooth Low Energy (version 4.0 smart) wristband tag, ideal for indoor location system.

It has a replaceable battery (12 months battery life based on broadcasting rate 1 second) and it can reach reading distance over 80 meters.

This BLE bracelet can be supplied with normal buckle closure, or with the anti-removal clip: this second option has been designed for projects in which users are not allowed to remove wristband from their arm. It is the case, for example, of special patients in hospital environments and hospices..

This beacon has been designed to operate with iOS 7.0 and Android 4.3+ system and to support iBeacon & Eddystone features

This beacon can integrate **accelerometer** and/or **temperature and humidity sensor**.

BLUETOOTH LOW ENERGY

NEW PRODUCT

RoHS Compliant

C E

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Length: 235 mm / 9,25 in

Thickness: 11mm / 0,433 in

Watchcase diameter: ∅34mm diameter / ∅1,338 in diameter

Width: 18mm / 0,708 in

Weight: 22gr (included battery)

Watchcase Material: Polycarbonate and silicone

Watchstrap Material (Option): Silicone or disposable Polypropylene (on your choice)

Color: White, Red, Green, Blue. Other on demand (also from pantone)

Class Protection: IP64

Battery type: CR2032 230mAh. Replaceable (DURACELL®).

Battery life: up to one year (with ping rate: 1 second)

System-On-Chip (SoC): Nordic 51822 (256 KB)/Ti CC 2541 BLE 4.0 module

Storage Temperature: -25°C to +50°C / -13°F to +122°F

Operating Temperature: -25°C to +45°C / -13°F to +113°F

Delivery format: Singulated

Expected lifetime: Years in normal operating conditions

ELECTRONIC AND OPERATIVE PARAMETERS

Operation Frequency: 2400-2483,5MHz

IEEE Standard: 802.15.1 (Bluetooth 4.0 Low Energy BLE)

Transmission distance: 40 to 90meters

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

Default Ping Rate: 1000ms

Ping Rate interval: 100ms to 10000ms. (step of 100ms)

Support Operating System: iOS7.0 and Android 4.3+ (Ibeacon and Eddystone)

Accurate digital RSSI

Supported sensors: Accelerometer, Humidity/Temperature sensor.

UID NUMBER AND ADVERTISING PACKET

UID Address : 6 Byte Unique identifier

Advertising Size: 30bytes

Proximity UUID: 16bytes (including in advertising packet)

Major: 2bytes (including in advertising packet)

Minor: 2byte (including in advertising packet)

CUSTOMIZATION OPTIONS

Closure: you can choose a normal buckle or the one-time-used clip (not removable)

APPLICATION NOTE

Healthcare Applications

People Tracking

Marketing

CERTIFICATIONS

iBeacon License

Eddystone License

CE ROHS FCC

CE Regulations (Included EN300328, EN301489, EN60950, EM62479)

FCC Regulations (FCC Part 15)

PRODUCT CODE AND ORDER INFORMATION

GT-WRSBY-BLE : Watchcase Beacony without sensor

GT- WRSBY _A-BLE: Watchcase Beacony with accelerometer

GT- WRSBY _TH _BLE: Watchcase Beacony with temperature/humidity sensor

GT- WRSBY _ATH-BLE: Watchcase 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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