PRODUCT DATASHEET
GLOBAL TAG PROTECTION CASE BEACONY (BLE)

www.global-tag.com

BLUETOOTH LOW ENERGY

NEW PRODUCT

CE

RoHS Compliant ✓

Global Tag **PROTECTION CASE BEACONY** is a BLE (Bluetooth Low Energy 4.2) based on Disk Beacony **Smart Beacon** designed for indoor/outdoor **IoT applications**.

- ➢ **Waterproof** protection case in silicone
- ➢ **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
- ➢ LED function for **Pick to Light**
- ➢ Optionally, **accelerometer, temperature/humidity sensor**
- ➢ Optionally**, NFC** integrated
- ➢ Choice between a wide range of Firmwares

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: Ø36mm diameter   /   Ø1,417in diameter

Thickness: 15mm   /   0.59in

Weight: 14gr (including battery)

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

Color: Black (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 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 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

Retail Marketing

Outdoor Asset Tracking

Indoor/Outdoor Positioning

Smart Guide for museums and theme parks

Maintenance

PRODUCT CODE AND ORDER INFORMATION

GT-PTCBY-BLE: Protection case Beacony without sensors

GT-PTCBY_A-BLE: Protection case Beacony with **accelerometer**

GT-PTCBY_TH _BLE: Protection case Beacony with **temperature/humidity sensor**

GT-PTCBY_ATH-BLE: Protection case 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