

PROTECTION CASE BEACONY



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: \varnothing 36mm diameter / \varnothing 1,417in 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 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 Ping Rate: 1s

Ping Rate 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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