

Global Tag **BEACONY INDUSTRIAL** is a BLE (Bluetooth Low Energy) **Smart Beacon** designed for indoor/outdoor **IoT applications with long life battery CR2477**. With many different silicone accessories can be used in many different applications, as a building brick.

- 40mm diameter plastic housing
- **ON/OFF button** with additional functions (**reset, alarm**)
- Battery **CR2477 replaceable**
- **When the battery is low, two lights will flash once every 5 seconds.**
- 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
- Buzzer function
- Vibration function
- Optionally, **accelerometer, temperature/humidity sensor**
- Optionally, **NFC** integrated
- Choice between a wide range of Firmwares
- **OTA (On-The_Air) service for firmware update (via Bluetooth)**
- Optionally with Contact Tracing function
- **With Data-Logger for Temperature/Humidity (storage data into memory) – Check specification on technical document a part.**

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: Ø40mm diameter / Ø1,57in diameter

Thickness: 16mm / 0.63in

Weight: 20,6gr (including battery)

Material: PC (Polycarbonate)

Color: White (customized on request).

Class Protection: IP67

Battery type: CR2477 replaceable (Panasonic®) or rechargeable.



Battery life: 3 years (with Broadcast Interval: 1 second and Tx Power: 0dB)

System-On-Chip (SoC): Nordic nrf52832

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.

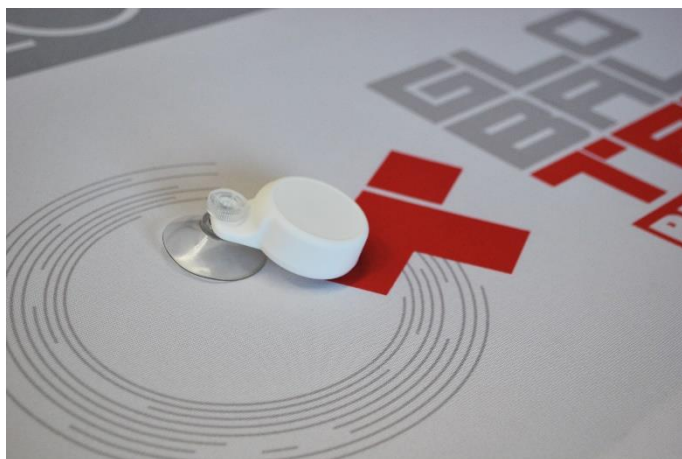
Broadcast interval: 100ms to 10000ms. (step of 100ms) – Extensible up to 6hours (with 3x 100ms. each time)

Support Operating System: iOS7.0 and Android 4.2+

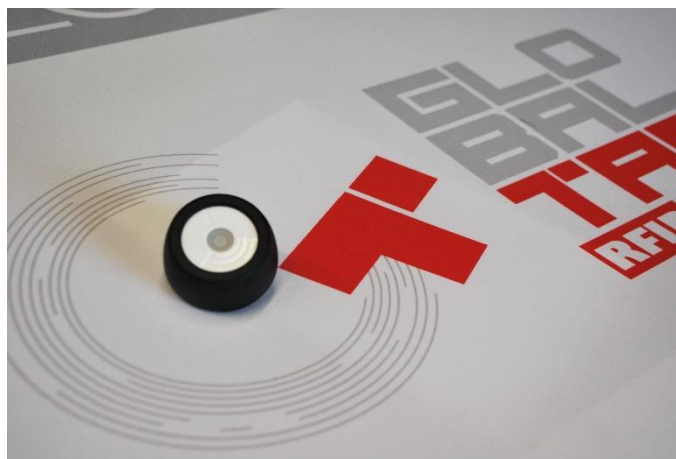
Scan Response: Yes (max 31Byte Length), containing Battery level, Device name (11Byte), Sensors value

FCC and CE Certification

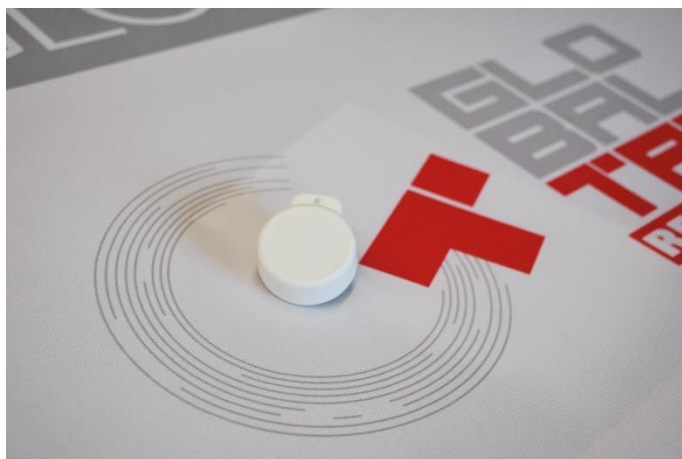
FAMILY ACCESSORIES



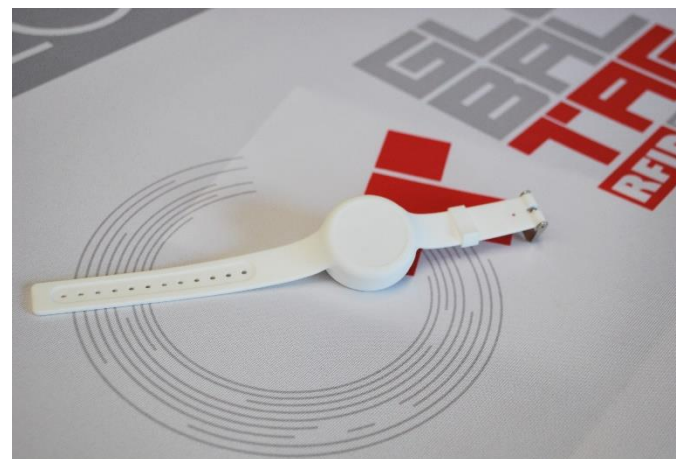
SUCTION CUP



PROTECTION CASE



KEYFOB



WRISTBAND



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

Indoor/Outdoor Asset Tracking

Indoor Positioning

Smart Guide for theme parks

Pick-to-light

Maintenance

Worker Safety

Cold chain management

PRODUCT CODE AND ORDER INFORMATION

GT-I_DKBY-BLE: Industrial Beacony without sensors

GT-I_DKBY_A-BLE: Industrial Beacony with **accelerometer**

GT-I_DKBY_TH_BLE: Industrial Beacony with **temperature/humidity sensor**

GT-I_DKBY_ATH-BLE: Industrial 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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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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