

PRODUCT DATASHEET

GLOBAL TAG **KEYFOB BEACONY (BLE)**



Global Tag **KEYFOB BEACONY** is a BLE (Bluetooth Low Energy 4.2) **Smart Beacon** based on Disk Beacons, with silicone keyfob housing. It can be used for people tracking and access control.

- Waterproof silicone housing
- 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: 45x37x12 mm / 1,77x1,45x0,47 inches

Thickness: 12mm / 0,47 inches

Weight: 15gr.

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 Broadcast Interval: 1 second and Tx Power: 0dB)

System-On-Chip (SoC): Nordic NRF 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

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

INSTALLATION MODE

Metal Ring: If you want to apply the hanging Beacon to your bunch of keys, you can choose the metal ring.

APPLICATION NOTE

People Tracking

Access Control (Parking)

Maintenance

Worker Safety

PRODUCT CODE AND ORDER INFORMATION

GT-KFBY-BLE: Keyfob Beacony without sensors (also available with Ti CC 2541)

GT-KFBY_A-BLE: Keyfob Beacony with **accelerometer**

GT-KFBY_TH_BLE: Keyfob Beacony with **temperature/humidity sensor**

GT-KFBY_ATH-BLE: Keyfob 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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