

PRODUCT DATASHEET

GLOBAL TAG **KEYFOB BEACONY (BLE)**



Global Tag **KEYFOB BEACONY** is a small BLE (Bluetooth Low Energy 4.0) Beacon with keychain form that can be used for indoor/outdoor location system applications.

Several parameters of the beacon can be set, using the dedicated app "GT_Beacony_APP".

It is supplied with CR2032 battery (DURACELL®), which can be easily replaced thanks to the interlocking open/close system of the Polycarbonate case. If required, it can be supplied with metal ring.

It can reach reading distance up to 90 meters.

Compatible with iBeacon and Eddystone, it has been designed to operate with iOS 7.0 and Android 4.3+ system.

On demand, it can be supplied with **accelerometer** and/or **temperature/humidity sensor**.

BLUETOOTH
LOW ENERGY

NEW PRODUCT

CE

RoHS
Compliant

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 45x35mm / 1,77x1,37 inches

Thickness: 11mm / 0,43 inches

Mounting System: 1,8 mm foam layer with 3M 467 dual side adhesive / Metal ring for keychains

Weight: 13gr.

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

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

Class Protection: IP65

Battery type: CR2032 replaceable (DURACELL®).

Battery life: One year (with ping rate: 1 second)

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

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

ELECTRONIC AND OPERATIVE PARAMETERS

Operation Frequency: 2400-2483,5MHz

IEEE Standard: 802.15.1 (Bluetooth 4.0 Low Energy BLE)

Transmission distance: up to 90meters

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

Default Ping Rate: 1 S

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

Support Operating System: iOS7.0 and Android 4.3+

Accurate digital RSSI



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: 1byte (including in advertising packet)

CUSTOMIZATION OPTIONS

Silk Printing : printing logo or serial number

Available sensors: Accelerometer and/or temperature/humidity sensor

INSTALLATION MODE

Foam layer with 3M adhesive: Before mounting the tag with the foam layer layer placed background, clean and dry the surface to obtain the maximum bond strength.

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

APPLICATION NOTE

Indoor asset tracking

Access control

CERTIFICATIONS

iBeacon License

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

FCC Regulations (FCC Part 15)

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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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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