KEYFOB BEACONY (BLE)



BLUETOOTH
LOW ENERGY

CE RoHS

Global Tag KEYFOB BEACONY is a BLE (Bluetooth Low Energy 4.2) Smart Beacon based on Disk Beacony, 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: 58x43x18 mm / 1,77x1,45x0,47 inches
Thickness: 18mm / 0,47 inches
Hole: 2,5 mm
Weight: 33gr.
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
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

INSTALLATION NOTE:

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, Acces Control (Parking), Maintenance, Worker Safety

PRODUCT CODE AND ORDER INFORMATION:

GT-KFBY-BLE: Keyfob Beacony without sensors
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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