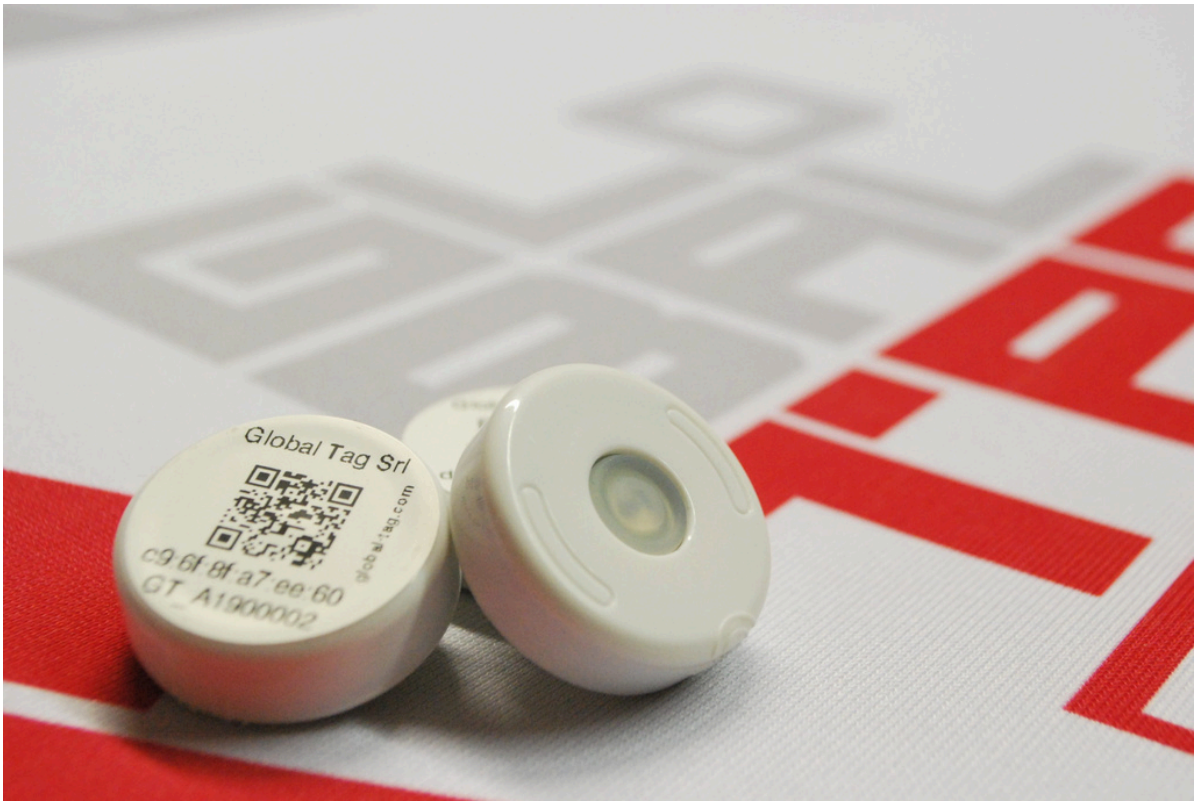
DISK BEACONY (BLE)



BLUETOOTH LOW ENERGY

CE RoHS

Global Tag DISK BEACONY is a BLE (Bluetooth Low Energy 4.2) Smart Beacon designed for indoor/outdoor IoT applications.

- ➢ 31mm diameter plastic housing
- ➢ ON/OFF button with additional functions (reset, alarm)
- ➢ Battery CR2032 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 for Pick to Light
- ➢ Optionally, accelerometer, temperature/humidity sensor
- ➢ Optionally, NFC integrated
- ➢ Choice between a wide range of Firmware

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS:

Dimensions: Ø31mm diameter / Ø1,22in diameter
Thickness: 10mm / 0.3937in
Weight: 8,2gr (including battery)
Material: PC (Polycarbonate)
Color: White (customized on request)
Class Protection: IP65
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 Microelecronics 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) – 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, Indoor Asset Tracking, Indoor Positioning, Smart Guide for museums and theme parks, Pick-to-light, Maintenance, Worker Safety

PRODUCT CODE AND ORDER INFORMATION:

GT-DKBY-BLE: Disk Beacony without sensors
GT-DKBY_A-BLE: Disk Beacony with accelerometer
GT-DKBY_TH _BLE: Disk Beacony with temperature/humidity sensor
GT-DKBY_ATH-BLE: Disk 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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