



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

- **Waterproof** 31mm diameter plastic 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
- LED function for **Pick to Light**
- Optionally, **accelerometer, temperature/humidity sensor**
- Optionally, **NFC** integrated
- Choice between a wide range of Firmwares

#### 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:** IP67

**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 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) – 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

## 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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