



Global Tag **DISK BEACONY for CONTACT TRACING** is a BLE (Bluetooth Low Energy 4.2) **Smart Beacon** designed for indoor/outdoor **IoT applications**, as same as our standard version, but with a new feature **(in red color, below in this document)**, developed to cover the Contact Tracing requests due to pandemic Covid19.

- 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**
- **Accelerometer with different sensibilities setting**
- Optionally, **NFC** integrated
- **GATEWAY FUNCTION FOR CONTACT TRACING. BEACON CAN LISTEN AND DETECT ANOTHER BEACON IN THE PROXIMITY AREA (from 1meter to 2meters.). When it occurs, the beacon can:**
 - 1) Emit light signals (blinking LED)
 - 2) Send a special "Contact" advertising packet
 - 3) Store into beacon memory the Mac Address of the beacons detected in the proximity area.
- **BEACON CAN ALSO COMMUNICATE WITH SMARTPHONES OR GATEWAY DEVICES.**





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). **IF THE GATEWAY FUNCTION IS ON, battery life is about 7days, but it can reach up to 30days**, according to the configuration.

System-On-Chip (SoC): Nordic 52832

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

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) –optional “Longer Broadcast Interval FW, up to 6hours.

Support Operating System: iOS7.0 and Android 4.2+ or third part devices

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.

VERSIONS AVAILABLE

It’s available with keyfob or wristband





APPLICATION NOTE

CONTACT TRACING

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_CT-BLE: Disk Beacony with accessory (keyfob or wristband)

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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