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 QR code) 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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