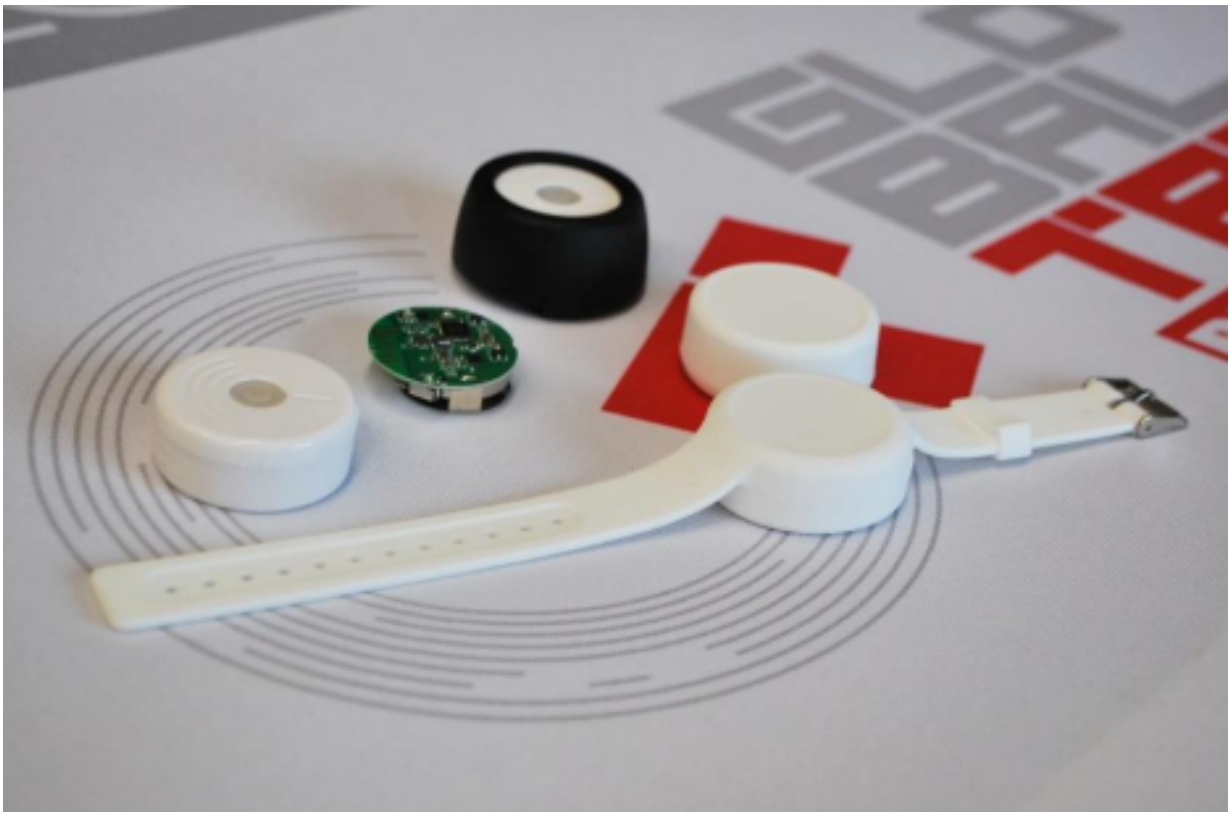
INDUSTRIAL BEACON BLE



BLUETOOTH LOW ENERGY

CE RoHS

Industrial Beacon Series is a range of Bluetooth beacons designed and developed for use in harsh environments.

Bigger and more rugged housings, high-visibility LEDs and extended battery life (CR2477) are the key features that make this beacon family suitable for industrial applications.

The Industrial Beacon is designed for asset tracking within companies and is available with different silicone housings, allowing adaptation to specific project requirements.

Beacon parameters such as transmission power and broadcast interval can be easily configured to optimize performance.

Customization options include case color, logo printing and variable content laser engraving, ensuring flexibility and alignment with customer needs.

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS:

Dimensions: Ø40mm diameter / Ø1,57in diameter
Thickness: 16mm / 0.63in
Weight: 20,6gr (including battery)
Material: PC (Polycarbonate)
Color: White (customized on request)
Class Protection: IP67
Battery type: CR2477 replaceable (Panasonic®) or rechargeable
Battery life: 3 years (with Broadcast Interval: 1 second and Tx Power: 0dB)
System-On-Chip (SoC): Nordic nrf52832
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) – Extensible up to 6hours (with 3x 100ms. each time)
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:

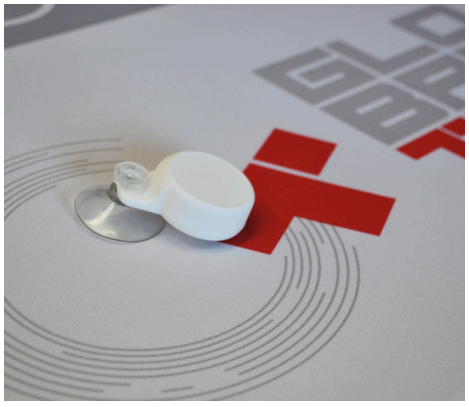
Housing Printing: Logo printing or serial number laser engraving
Label on surface: Label can be customized according to customer's request

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

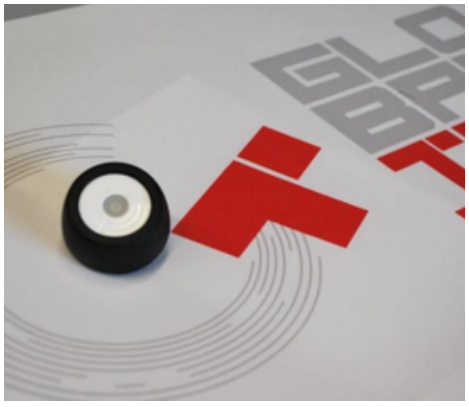
APPLICATION NOTE:

Retail Marketing
Indoor/Outdoor
Asset Tracking
Indoor Positioning
Smart Guide for theme parks
Pick-to-light
Maintenance
Worker Safety
Cold chain management

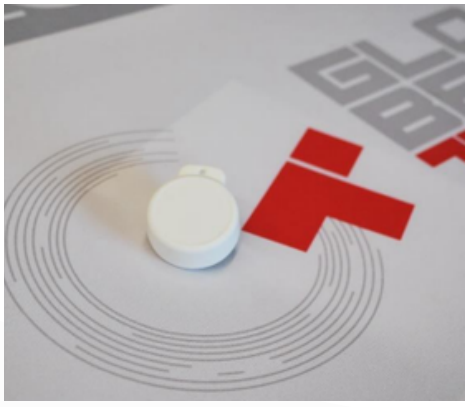
FAMILY ACCESSORIES:



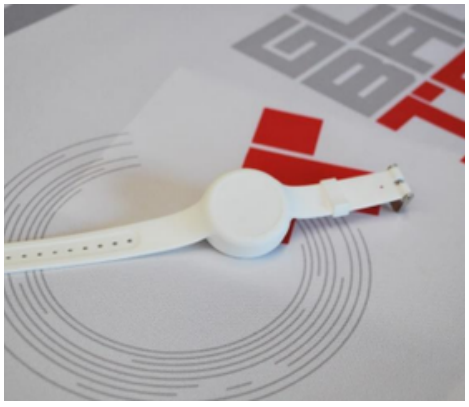
SUCTION CUP



PROTECTION CASE



KEYFOB



WRISTBAND

PRODUCT CODE AND ORDER INFORMATION:

GT-I_DKBY-BLE: Industrial Beacony without sensors
GT-I_DKBY_A-BLE: Industrial Beacony with accelerometer
GT-I_DKBY_TH _BLE: Industrial Beacony with temperature/humidity sensor
GT-I_DKBY_ATH-BLE: Industrial 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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