



Compact IoT Tracker

DOCUMENT & KEY LOCATOR

PRODUCT DESCRIPTION

The Document & Key Locator is a compact and high-performance BLE device designed for reliable indoor positioning, asset tracking, and IoT applications.

The device transmits iBeacon-compatible BLE advertising signals at configurable intervals, enabling seamless detection by gateways, mobile devices, and IoT infrastructures. Integrated features such as panic alert signaling, battery monitoring, and flexible configuration parameters ensure optimal adaptability for industrial and commercial environments.



APPLICATIONS

- **Asset Tracking & Monitoring**
- **Industrial Equipment Monitoring**
- **Personnel Safety & Panic Alert**

FEATURES

- **iBeacon-compatible BLE , communication**
- **Configurable TX power and advertising interval**
- **Ultra-low power consumption for long battery life**
- **Integrated panic button for event signaling**
- **Low battery detection with acoustic alert**
- **Compact and lightweight design**



TECHNICAL DATA

POSITIONING & LOCATION

Technology	BLE (iBeacon)
Positioning Logic	RSSI-based proximity detection
Range	30 to 120s
Warm Start	up to 80 m
Indoor Accuracy	environment-dependent (>10 m typical density)

BLUETOOTH

Technology	Bluetooth Low Energy
Frequency	iBeacon
Protocols	-20 dBm to +5 dBm (configurable)
SIM	dependent on receiver
Advertising Interval	100 ms to 10,000 ms

POWER

Battery	CR2032
Capacity	220 mAh
Power Consumption	approx. 5 µA @ 5 s interval (0 dBm)
Battery Lifetime	up to 90 months (10 s interval) configuration dependent

INTERFACE

Configuration	Bluetooth (mobile app),
Parameters	UUID Major / Minor TX Power Advertising Interval Battery Level Broadcast
Access	Password protected

FEATURE

Sensors	Optional accelerometer
Scenarios	Panic Alert (button-triggered event) Asset Identification Battery Monitoring
BLE Functionality	iBeacon broadcasting Optional battery data transmission

BLE DATA STRUCTURE

UUID	16 Byte
Major / Minor identifiers	
RSSI @ 1 m (calibrated)	

PHYSICAL SPECIFICATIONS

Dimensions	37 × 37 × 7.5 mm
Weight	6.8 g
Housing	Compact triangular design
Battery	Replaceable

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VERSIONEN

Container Tracker	IOT-BT-BL-IN-5201
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