Bluetooth Low Energy (BLE)

Equipment Tracking

- Up to 5-year battery life
- Integrated high-power LED
- Secure OTA updates & management
- Up to 200-meter range in open field
- Ultra-compact, IP69K waterproof design

Small Equipment Identificationt

Compact and powerful, with a transmission range of up to 200m, the IP69K-rated waterproof beacons are perfect for identifying portable electric tools, medical devices, industrial equipment, and small machinery.

Smart Trailer Identification

Optimize and secure the coupling and uncoupling of truck trailers with automatic identification. Track fleet inventory and location, ensure correct trailer matching, eliminate manual errors, and improve yard efficiency.

Medical Device Location

Track medical equipment reliably with a compact, hygienic, and food-safe beacon. The low-maintenance design, waterproof housing, and long-lasting battery support seamless integration into healthcare asset management systems.

Industrial Tool Management

Streamline inventory with Bluetooth beacons built for harsh industrial environments. Long autonomy, secure NFC setup, and OTA updates make the BLE beacon easy to deploy and maintain across smart factories and warehouses.

Bluetooth Low Energy (BLE) Beacon

The BLE Asset Beacon delivers reliable, long-lasting performance in a compact, rugged package, enabling seamless equipment tracking for industrial applications. With an IP69K waterproof housing, 5-year battery life, and 200-meter range, these beacons provide unmatched visibility for assets across manufacturing, healthcare, logistics, and more.

Specification

Battery

Power supply	3 VDC - Internal lithium battery
Battery life	• ID (ELA) : 5 years, • iBeacon (Apple) : 5 years, • Eddystone (Google) : 5 years
Battery level	• Low battery warning in advertising frames (<15%), • Battery voltage in scan response frames (configurable)

Housing

Dimensions	Ø 36 mm base - Thickness 11.5 mm 2 holes: Ø, 5.2mm spaced of 40mm
Weight	13g
Materials	DELRIN (POM C) Compatible with food products (90/128/EEC)
Waterproofness	IP69K & IP68
Operating temperature	-30°C to +70°C

Certifications

Europe	CE / UK CA : EN 300 330 / EN 301 489 / EN 62368
UK	UKCA
USA	FCC : FCC PART 15
Canada	ISED : RSS-247 / ICES-003
RoHs/REACH	Yes

Operating Mode

Frequency	2.4 GHz - Bluetooth Low Energy 4.0/4.2
Output power	Up to +4 dBm (configurable)
Range	Up to 200 meters in open field (+4dBm)
Radio frame format	• ELA ID (15 bytes identifier), • iBeacon, • Eddystone
Parameters & Configuration	Interface/protocol: NFC (Type 2)
Connected Mode	LED indicator (ON / OFF) command / Battery level

forward thinking

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