

Bluetooth Beacon

B003 Bluetooth Beacon

The Lansitec B003 Bluetooth Beacon is a compact triangular device that makes lost-and-found scenarios a breeze. Powered by a single CR2032 battery, it can last up to 765 days with typical usage (5 s advertisement interval). Its built-in buzzer sounds alerts when activated via a Bluetooth command—handy for locating misplaced belongings or issuing SOS signals. With iBeacon compatibility, 150 m line-of-sight coverage, and an optional AoA feature for precise positioning, the B003 Beacon is ideal for personal items, staff monitoring, and asset management across various industries.

Compact Triangular Design

Sleek, 37 mm-sided form factor (7.5 mm thick) that fits easily on keychains, lanyards, or inside bags.

Buzzer & SOS Button

Trigger audible alerts for lost-and-found or emergency signals when connected to a compatible gateway or mobile app.

Extended Battery Life

A single CR2032 battery (220 mAh) provides up to 765 days of operation at a 5 s advertising interval.

iBeacon & Optional AoA

Broadcast iBeacon packets for straightforward integration with most Bluetooth gateways; enable AoA for more precise location data.

Low Power Alarms & LED

Receive warnings when the battery is running low; LED and buzzer guide the user during pairing or reconfiguration.

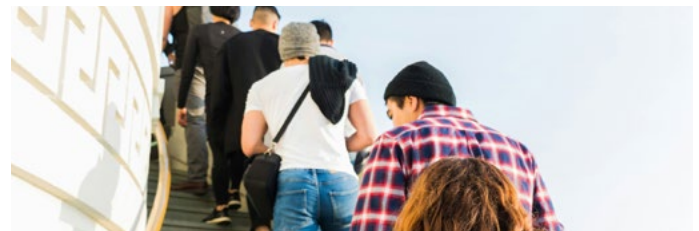


SCENARIO



PERSONAL ITEM TRACKING

Attach the beacon to keys, wallets, or other daily essentials. If misplaced, activate the buzzer or use the real-time location data to find items quickly, minimizing downtime and frustration.



PERSONNEL TRACKING

Provide employees or visitors with the beacon in large facilities. Combine with BLE gateways to detect real-time whereabouts, ensuring security and prompt responses to emergencies or restricted-area violations.



SHARED ASSET MANAGEMENT



TRAVEL & LUGGAGE

Track multi-user resources—like projectors, tools, or safety equipment—to see who has them, where they are in use, and receive alerts if they’re taken beyond authorized boundaries.

Slip a beacon into suitcases or backpacks before traveling. Whether at busy airports or hotel lobbies, the buzzer function offers an instant alert if your luggage moves unexpectedly, preventing mix-ups or theft.

SPECIFICATIONS

CONNECTIVITY

Bluetooth Protocol	5.0, iBeacon
RF Power	-20~+5dBm
Advertise Interval	100ms~10s
Transmission Distance	150m sight distance

MECHANICS

Material	ABS
Colour	Black/White/Green/Pink
Dimension	Equilateral triangle, 37mm side length; thickness 7.5mm
Hole Size	2.8mm
Weight	6.8g
Operating Temperature	-20°C~+70°C
Storage Temperature	-25°C~+75°C
Operating Humidity	5% ~ 95% (non-condensing)
Installation Method	Double-Side Tape; Lanyard; Key Chain

FUNCTIONS

Power Button and SOS Button	Support
Buzzer	Support *It can be activated via a Bluetooth command, for lost and found
Low Power Alarm	Support
LED	Support
Accelerometer (optional)	Support
Barometer (optional)	Pressure Range: 300mBar ~1200mBar Pressure Temperature Sensitivity: < 0.5Pa/K Pressure Sensor Precision: ± 0.005 hPa (or ±5 cm)

POWER

Battery	CR2032
Battery Capacity	220mAh
Battery Life	48 months @ 0dBm, 5s advertisement interval (with accelerometer) 58 months @ 0dBm, 5s advertisement interval (without accelerometer)
Standby Current	≤5μA
Peak Current	8mA
Average Current	5μA @ 0dBm, 5s advertising interval, (with accelerometer) 4.2μA @ 0dBm, 5s advertising interval, (without accelerometer)

ORDERING INFORMATION

Product Description	Part Number
B003 Bluetooth tag, 37mm side length, 220mAh	100-02196