

B006 Badge Bluetooth Beacon

Introducing the Lansitec B006 Badge Bluetooth Beacon—a versatile, badge-style transmitter designed for easy wear or attachment. Powered by either a 600 mAh rechargeable Li-ion battery or a 440 mAh non-rechargeable option, it offers up to one year of service at 0 dBm and a 1 s advertisement interval. Broadcasting iBeacon messages continuously, the B006 can be fine-tuned (100 ms to 5 s intervals) to balance coverage (up to 150 m) and battery longevity. Whether tracking hospital equipment or managing a mobile workforce, this compact beacon (97×62×7 mm) offers flexible power choices, optional temperature sensing, and an AoA upgrade for precise location data.

Flexible Battery Options

Choose between a 600 mAh rechargeable battery or a 440 mAh non-rechargeable (2×CR2032) battery to suit specific operational needs.

Up to 1 Year Standby

Maintain reliable performance at 0 dBm with a 1 s broadcast interval, saving on maintenance checks.

Adjustable TX & Interval

Set transmit power from -20 dBm to +4 dBm and adjust advertisement intervals (100 ms to 5 s) for maximum efficiency or real-time detection.

Wide Coverage

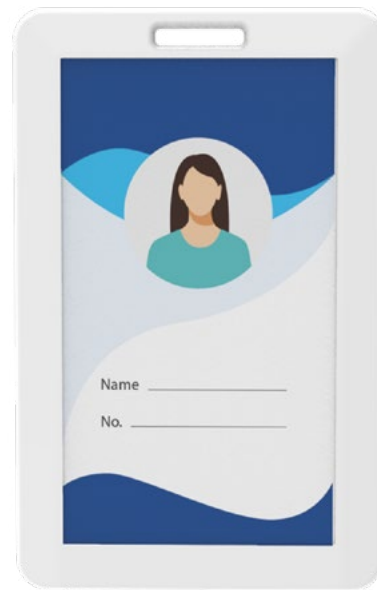
Achieves a line-of-sight range of up to 150 m, ideal for industrial or campus-wide environments.

Optional AoA & Temperature Sensing

Unlock precise asset tracking or environment monitoring by pairing with AoA-capable gateways or adding the temperature sensor.

Robust Build

Lightweight ABS housing with optional buzzer integration for alerts or lost-and-found functionality.



SCENARIO



HOSPITAL ASSET TRACKING

Label medical devices, beds, or patient wristbands with a rechargeable or disposable beacon. Real-time location data minimizes the risk of equipment misplacement and ensures timely patient care.



WAREHOUSE AUTOMATION

Monitor pallets, carts, or staff ID badges in large distribution centers. The adjustable interval and power level let you balance real-time inventory checks with battery preservation.



FACILITY ACCESS CONTROL



EVENT CREDENTIALING

Integrate with ID management systems for employees or visitors. AoA support offers floor-level accuracy, while the buzzer feature enables audible prompts during restricted-area breaches.

Use the B006 as an event pass that logs entries, triggers location-based announcements, or assists in crowd flow analysis. The long standby time covers multi-day conferences without frequent battery swaps.

SPECIFICATIONS

CONNECTIVITY

Bluetooth Protocol	5.0, iBeacon
RF Power	4dBm to -20dBm in a 4dBm step (Bluetooth 5.0)
Sensitivity	-97dBm
Advertise Interval	100ms ~ 5s adjustable
Coverage Range	150m sight distance
Supply Capacity	>300k/month

MECHANICS

Material	ABS
Colour	White
Dimension	95*61*7mm
Operating Temperature	-10°C~+65°C
Storage Temperature	-20°C~+80°C
Operating Humidity	5% ~ 95% (non-condensing)

FUNCTIONS

Temperature Report	Optional, please advise Lansitec upon ordering
Temperature Sensor Range	-40°C~+85°C
Temperature Accuracy	Chamber temperature in the beacon, ±5°C
Temperature Resolution	0.25°C
Buzzer	Optional

POWER

Battery Option 1	Li-ion rechargeable battery, 600mAh
Battery Option 2	440mAh (2 x CR2032) non-rechargeable battery
Battery Life	91 months @ 0dBm, 5s advertisement interval (with accelerometer) 109 months @ 0dBm, 5s advertisement interval (without accelerometer)
Average Current	5µA @ 0dBm, 5s advertising interval, (with accelerometer) 4.2µA @ 0dBm, 5s advertising interval, (without accelerometer)

ORDERING INFORMATION

Product Description	Part Number
BLE Beacon, BLE 5.0, 95*61*7mm, Li-ion 600mAh, rechargeable battery	100-03983
Certification	Exib II CT4