

## B002 Bluetooth Label

Introducing the Lansitec B002 Bluetooth Label, a remarkably thin (1.5–2.5 mm) BLE device built around the iBeacon protocol. Flexible yet durable, it can be attached to various surfaces—from medical equipment and shipping boxes to wallets and personal items—using double-sided adhesive. Whether you need to track assets within a hospital or manage inventory in a bustling warehouse, the B002 Bluetooth Label offers reliable, low-power beaconing that gateways or mobile devices can detect and decode in real time. With optional motion-based advertising and battery-level reporting, it helps you maintain pinpoint visibility over your most critical resources.

### Ultra-Thin Form Factor

At just 1.5–2.5 mm thick, the flexible PVC construction suits tight spaces or curved surfaces, simplifying deployment.

### Configurable Advertisement Interval

Adjust between 100 ms and 10 s to balance power consumption and real-time detection.

### Long Battery Life

A built-in 500 mAh Li-MnO<sub>2</sub> battery can last up to 52 months at a 5 s interval without an accelerometer.

### Movement & Battery Reporting (Optional)

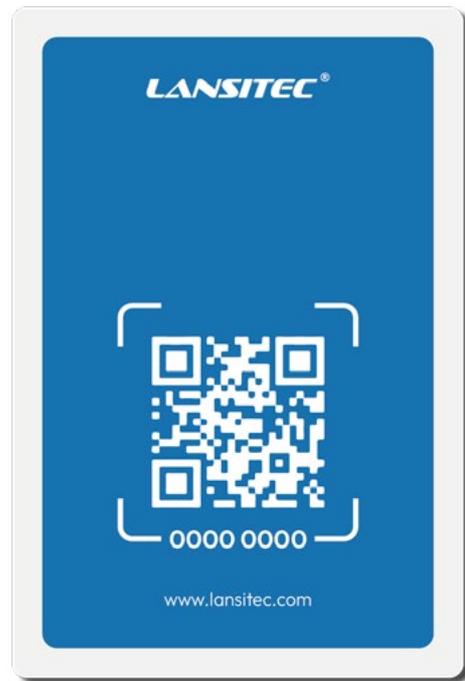
Enable motion-based broadcast or battery-level alerts for dynamic asset monitoring.

### AoA Support (Optional)

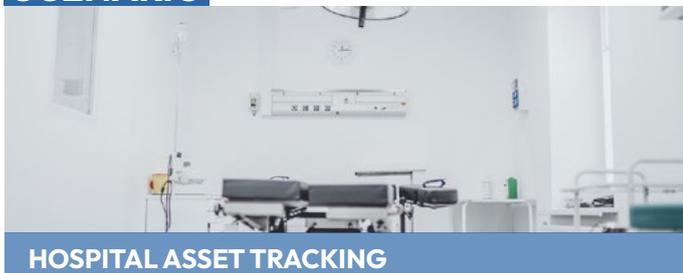
Pair with AoA-capable gateways for high-precision positioning, enhancing location granularity.

### iBeacon Protocol

Seamless integration with Bluetooth 5.0 receivers, ensuring broad compatibility across asset-tracking applications.



## SCENARIO



**HOSPITAL ASSET TRACKING**

Affix labels to critical tools or devices, such as infusion pumps or portable imaging systems. Automatic location updates ensure rapid retrieval, reducing losses and improving patient care.



**WAREHOUSE MANAGEMENT**

Streamline inventory by labeling crates, pallets, or high-value items. Optional accelerometer-based advertising helps detect unauthorized movement or mishandling events.



Deploy on merchandise or promotional materials in pop-up stores and exhibitions. Track foot traffic patterns, item interactions, and replenish stock quickly to meet demand.

Attach to personal belongings or shared office resources (e.g., laptops, conference room equipment). The BLE beacons allow easy device lookup, reducing time spent on searches and losses due to misplacement.

## SPECIFICATIONS

### CONNECTIVITY

<b>Bluetooth Protocol</b>	5.0, iBeacon
<b>RF Power</b>	-20~+4dBm
<b>Advertise Interval</b>	100ms~10s
<b>Transmission Distance</b>	150m sight distance

### MECHANICS

<b>Material</b>	PVC
<b>Colour</b>	Blue in default, Customizable
<b>Dimension</b>	90*60*1.5mm, Thickness: 1.5~2.5mm.
<b>Operating Temperature</b>	-35°C~+75°C
<b>Storage Temperature</b>	-45°C~+85°C
<b>Operating Humidity</b>	5% ~ 95% (non-condensing)
<b>Weight</b>	10g
<b>Installation Method</b>	Double-side adhesive paste

### POWER

<b>Battery</b>	Li-MnO <sub>2</sub> , non-replaceable
<b>Battery Capacity</b>	500mAh
<b>Battery Life</b>	104 months @ 0dBm, 5s advertisement interval (with accelerometer) 124 months @ 0dBm, 5s advertisement interval (without accelerometer)
<b>Standby Current</b>	≤5μA
<b>Peak Current</b>	8mA
<b>Average Current</b>	5μA @ 0dBm, 5s advertising interval, (with accelerometer) 4.2μA @ 0dBm, 5s advertising interval, (without accelerometer)

## ORDERING INFORMATION

Product Description	Part Number
BLE Label, ibeacon, 500mAh	100-0B002