

i3 Portable Bluetooth Tag

Unlock effortless asset and personnel tracking with the Lansitec i3 Portable Bluetooth Tag. Featuring a compact 38 × 25 × 5 mm design, this beacon advertises iBeacon packets continuously and can broadcast up to six distinct frames. Powered by a CR2032 coin cell, it delivers up to 765 days of battery life under typical conditions. Thanks to its built-in 3D accelerometer, the tag can dynamically report movement data—ideal for monitoring medical equipment, vehicles, or any items in motion. The optional AoA (Angle of Arrival) feature further refines location accuracy for environments requiring pinpoint tracking.

Ultra-Compact Build

Fits easily on medical devices, office equipment, or personal belongings without adding bulk.

Multi-Frame Advertising

Supports up to six simultaneous beacon frames for richer data broadcasts (e.g., iBeacon plus custom telemetry).

3D Accelerometer

Triggers dynamic movement-based advertising to capture usage patterns or detect unauthorized activity.

Flexible Triggers

Configure advertisement intervals (100 ms to 10 s) and power levels (-20 dBm to +5 dBm) to balance battery usage and detection range.

Extended Battery Life

With a 220mAh CR2032 battery, it can run up to 765 days on a 5 s interval at 0 dBm, minimizing maintenance.

Optional AoA Support

Paired with AoA-capable gateways, achieves more accurate location tracking in crowded or multi-floor indoor environments.



SCENARIO



HOSPITAL ASSET TRACKING

Affix the beacon to portable imaging devices, patient transport carts, or medication boxes for real-time location updates. Accelerometer data reveals usage frequency, while battery-saving intervals reduce overhead.



PERSONNEL TRACKING

Issue tags to staff in high-security environments (labs, server farms). The 3D accelerometer triggers location broadcasts only upon movement, prolonging battery life while retaining accurate logs of who goes where.



TOOL INVENTORY

Keep close tabs on power tools or specialized equipment in workshops. Movement-based broadcasts reveal usage rates and movement data, helping managers coordinate maintenance schedules.



SMART RETAIL & EVENTS

Equip conference badges or promotional items with multi-frame beaconing. Organizers track crowd flow and engagement in real time, enhancing visitor experiences and capturing actionable insights for marketing or security purposes.

SPECIFICATIONS

CONNECTIVITY

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

MECHANICS

Material	ABS
Colour	White
Dimension	38*25*5mm
Hole Size	3mm
Weight	6.2g
Operating Temperature	-20°C~+70°C
Storage Temperature	-25°C~+75°C
Operating Humidity	5% ~ 95% (non-condensing)
Installation Method	Double-side adhesive paste

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
Bluetooth tag, 38x25x5mm, 220mAh	100-02198