

i5 Wearable Bluetooth Beacon

The Lansitec i5 Wearable Bluetooth Beacon pairs a compact, IP67-rated beacon core with a comfortable silicone gel band—ensuring reliable, water-resistant performance in hospitals, care centers, event venues, and more. Powered by a single CR2032 battery, it continuously broadcasts iBeacon messages (with customizable intervals) for up to two years at 0 dBm. This durable bracelet is ideal for monitoring patients, visitors, or staff who need to be tracked in real time, helping improve safety protocols and operational efficiency. An optional AoA upgrade enables precision location services, further enhancing the beacon’s value in security-sensitive or healthcare environments.

IP67 Water Resistance

Fully sealed beacon core withstands splashes, dust, and submersion, making it suitable for frequent sanitization or outdoor usage.

Comfortable Silicone Gel Band

Durable yet gentle on skin; easily adjustable for different wrist sizes in patient or visitor applications.

Extended Battery Life

A CR2032 (220mAh) cell provides up to 2 years of continuous broadcasting at 0 dBm/5 s intervals. Multiple Power Settings – RF power adjustable from -40 to +4 dBm, plus advertisement intervals from 100 ms to 10 s to balance energy consumption and detection range.

Optional AoA Support

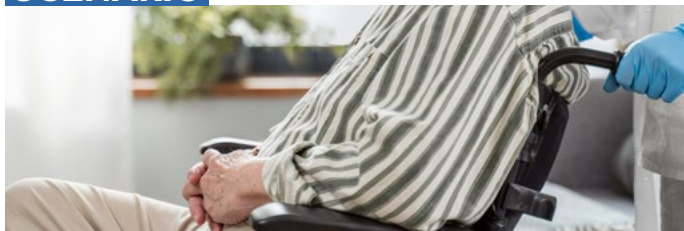
Combine with AoA-capable gateways to achieve sub-meter accuracy for high-priority tracking.

Lightweight & Low Profile

Weighs just 21 g in total (7.8 g main body + band), offering ease and comfort for daily wear.

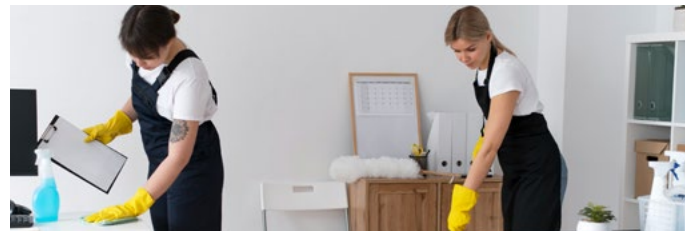


SCENARIO



PATIENT SAFETY & TRACKING

Monitor patient movements in hospitals or care facilities to ensure timely treatment and prevent wandering. In emergencies, instantly identify the patient’s location for faster response.



PERSONNEL SECURITY

Assign wearable beacons to staff working in sensitive environments (labs, server rooms), triggering alerts if they approach unauthorized zones or need immediate assistance.



RECREATION & SPORTS



WORKPLACE TIMEKEEPING

Arm participants with waterproof, lightweight tags for events like marathons or group activities. Organizers can track progress, record times, and quickly handle on-site medical or security incidents.

Use the i5 Beacon as an automated check-in/check-out device for factory workers or contractors operating in large facilities. The hands-free beacon logs location-based timestamps, reducing manual paperwork while improving attendance accuracy.

SPECIFICATIONS

CONNECTIVITY

Bluetooth Protocol	5.0, iBeacon
RF Power	-40~+4dBm
Advertise Interval	100ms~10s
Transmission Distance	150m sight distance

MECHANICS

Material	Main: ABS, Band: silicon gel
Colour	Main: white, Band: black
Dimension	32.6*9.0mm
Weight	Main body: 7.8g; Total weight (with band): 21g
Operating Temperature	-20°C~+70°C
Storage Temperature	-25°C~+75°C
Operating Humidity	5% ~ 95% (non-condensing)
Ingress Protection	IP67

POWER

Battery	CR2032
Battery Capacity	220mAh
Battery Life	47 months @ 0dBm, 5s advertisement interval (with accelerometer) 57 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
BLE Beacon, BLE 5.0, 32.6x9mm, Silicon gel bracelet, IP67, 220mAh	100-000i5