

Compact Bluetooth Gateway

Bring instant BLE visibility to any site with Lansitec's pocket-sized Compact Bluetooth Gateway. The slim 97 × 62 × 7 mm bridge captures iBeacon, Eddystone, or custom sensor frames and backhauls them over global NB-IoT / LTE-M bands. A 600 mAh rechargeable battery keeps data flowing for ≈ 10 h without mains power, while AES-128 security and smart edge filtering make it a dependable, grab-and-go solution for mobile, pop-up, or emergency deployments.

NB-IoT & LTE-M Worldwide

Dual LPWAN radios across 20+ FDD bands for truly global roll-outs.

BLE 5.0 Multi-Protocol

Ingests iBeacon, Eddystone, and private sensor payloads with 3 m indoor accuracy.

Credit-Card Form Factor

97 × 62 × 7 mm, 35 g, easy to slip into vehicles, cabinets, or tool cases.

10 h On-Board Battery

600 mAh Li-ion keeps reporting when external power is unavailable.

Smart Payload Filter & Compression

Edge processing slashes cellular data fees.

Configurable Report Cadence

Uplink every 5 s–18 h; heartbeat every 30 s–18 h.

FOTA & Battery Telemetry

Wireless firmware updates and battery-level reporting via BLE.

AES-128 Encryption

End-to-end security for sensitive medical or industrial data.



SCENARIO



HOSPITAL ASSET TRACKING

Locate diagnostic carts, infusion pumps, and surgical kits in seconds to boost utilisation and prevent loss.



VEHICLE TRACKING

Drop the gateway in rental or fleet vehicles to forward BLE tag data, enabling real-time dispatch and utilisation analytics.

NB-IoT & LTE-M Compact Bluetooth Gateway



PUBLIC INFRASTRUCTURE MONITORING

Mount on lamp-posts or bus shelters to collect BLE environmental-sensor data (air quality, noise) for smart-city dashboards.



CONSTRUCTION & REMOTE SITES

Attach to heavy machinery or portable equipment to stream run-time, vibration, and location metrics for predictive maintenance in harsh, power-scarce environments.

SPECIFICATIONS

CONNECTIVITY

Protocol	MQTT, HTTP	
LoRaWAN	Optional	
LTE-FDD	Band	Data Rate (Peak)
LTE-M	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/ B20/B25/B26/B27/B28/B66/B85	588 (DL) 1119 (UL)
NB-IoT	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/ B20/B25/B28/B66/B71/B85	Cat NB2: 127 (DL) 158.5 (UL) Cat NB1: Max. 32 (DL) Max. 70 (UL)
Wifi	Optional, 2.4GHz, positioning only	N/A
SIM Card	Nano and eSIM	N/A

BLUETOOTH

Bluetooth Protocol	5.0, iBeacon, Eddystone, private
Bluetooth TX Power	-20 to +4 dBm TX power, configurable in 4 dBm steps
Bluetooth Sensitivity	-96dBm

FUNCTIONS

Adjustable Data Report Interval	5s x n (1 to 65536)
Heartbeat Report Interval	30s x n (1 to 65536)
Configurable Bluetooth data filter and payload report	Filter any data bytes in a Bluetooth payload and report any via NB-IoT and LTE-M
FOTA over Bluetooth	Support
Battery Level Report	Support
Switch	Mechanical
Positioning Precision	3m
Encryption	AES128
Bluetooth data compression	Support

MECHANICS

Dimension	97*62*7mm
Housing Materials	ABS
Operating Temperature	-10°C ~ +65°C
Storage Temperature	-20°C ~ +80°C
Operating Humidity	5% ~ 95% (non-condensing)
Weight	35g

POWER

Battery	Li-ion rechargeable battery 600mAh
Standby Current	25µA
Max. Current	350mA
Power Supply Mode	5V/1A
Charge Jack	Micro USB
Bluetooth Positioning	Approx. 2250 times
GNSS	Approx. 900 times
Certification	CE, FCC

ORDERING INFORMATION

Product Description	Part Number
Bluetooth Gateway, built-in antenna, Bluetooth 5.0, NB-IoT, LTE-M, 95.4x61.4x7mm, Li-ion 600mA	100-NBBG3