

ZA 3515

BLE ZONE ANCHOR — NB-IOT / LTE-M

REFERENCE

3515

The battery-powered zone anchor, with an optional mains adapter, for locating assets fitted with Bluetooth tags. Installed at a fixed point, it scans BLE tags and can also act as a managed geobeacon. Dual NB-IoT / LTE-M connectivity with guaranteed data recovery.



130 × 72 × 36 mm

Dimensions L × W × D

218 g

Weight

IP67

Ingress protection · IK09

12 000 mAh

Backup battery

● BLE 5.0

● IP67

● NB-IoT

● IK09

● LTE-M

● Data recovery

● Europe / North America

● Replaceable backup battery

Connectivity

NB-IoT + LTE-M

- Energy-efficient transceiver
- Internal omnidirectional antenna
- Bi-directional communication
- Europe / North America
- Data recovery
- OTA firmware upgrade (NB-IoT / LTE-M)

BLE — BLUETOOTH LOW ENERGY

- Bluetooth Low Energy 5.0

CONNECTIVITY PLAN

- Supplied with connectivity included — compatible with the TRAKmy Essential / Professional / Analytics plans

Role

- Installed at a fixed point
- Scans Bluetooth (BLE) location tags
- Can act as a managed geobeacon
- Beyond 2,000 BLE tags scanned simultaneously: contact us

POWER & BATTERY

12,000 mAh Li-SoCl₂ · replaceable

- Mains power (optional adapter) or battery
- 220–230 V Europe · 110–115 V North America
- 2 m power cable
- 2.94 g of lithium

Mechanics & Design

Antennas	All internal
Ingress protection	IP67
Impact resistance	IK09
Dimensions L × W × D	130 × 72 × 36 mm
Weight	218 g
Drop and vibration	EN 60068
Colour	White
Operating temperature	-20 °C → +60 °C
Housing	PBT / PC FR · UV LS
Treatments	Flame retardant · UV stabilised

Certifications

REGULATORY

- CE
- FCC
- IC

BLUETOOTH 5.0

- Declaration ID D068598

ELECTRICAL SAFETY

- EN 62368-1

User interaction

ACTIVATION

- Magnetic activation

LED FEEDBACK

- Green and red LED feedback on the device

SYNCHRONISATION

- Instant: magnet activation
- Periodic: no user interaction needed

Security

- Device-unique encryption keys
- End-to-end payload encryption ChaCha20
- AES-encrypted firmware
- Signed firmware images only

Management services

DIAGNOSTICS

- Battery lifetime prediction
- Detailed energy consumption
- Geolocation diagnostics
- Installation · communication quality

MANAGEMENT

- OTA firmware updates (NB-IoT, LTE-M, BLE)
- Remote configuration
- Anchor location from the smartphone app

Firmware configuration

COMMUNICATION

- Data recovery strategy · communication conditions

BLE TAG SCANNING

- Scan interval and reporting interval
- RSSI scan threshold
- Filtering of scanned tags by UUID
- Can be enabled and disabled

Activation & mounting

- Magnetic activation
- Holes 7 × 9 mm — centres 115 mm

Accessories

- Supplied without mains adapter
- ADPT 8500 EU · ADPT 8501 UK · ADPT 8502 US