ZA 3515

NB-IoT/LTE-M Zone Anchor

Battery-powered zone anchor for asset localization using Bluetooth tag tracker scanning. Features NB-IoT and LTE-M connectivity with optional AC power adapter support. Includes OTA updates, encrypted communications, and comprehensive diagnostics.

- NB-IoT
- LTE-M
- Bluetooth Low Energy 5.0
- IP67 rated
- IK09 impact resistant
- Optional AC power adapter

130 × 72 × 36mm
218g (7.68 oz)

Connectivity

Cellular

- NB-IoT and LTE-M
- Europe/North America bands
- Bi-directional communication
- Internal omnidirectional antenna

Capabilities

- Tag tracker scanning
- Managed geobeacon functionality
- OTA firmware updates (NB-IoT, LTE-M, BLE)

Bluetooth

Bluetooth Low Energy 5.0

Power

Primary Battery

User-replaceable Li-$SoCl_2$ battery (12,000 mAh, 2.94g lithium)

Optional AC Adapter

- 220-230V (Europe) or 110-115V (North America)
- 2 meter cable
- 0.1W no-load consumption

Physical Characteristics

Dimensions

130 × 72 × 36mm (5⅛ × $2^{53}/_{64}$ × $1^{27}/_{64}$ in)

Color

White

Mounting Holes

7 × 9mm, 115mm center-to-center spacing

Weight

218 grams (7.68 oz)

Material

- PBT/PC casing
- Flame retardant
- UV stabilized

Environmental

IP Rating
IP67

Operating Temperature
-20°C to 60°C (-4°F to 140°F)

Impact Resistance
IK09

Drop Shock and Vibration
EN 60068

Management & Security

User Interaction
- Magnetic activation
- LED feedback (green & red)
- Remote configuration sync

Diagnostics
- Battery lifetime prediction
- Geolocation diagnostics
- Communication quality monitoring

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

Configuration

Configurable Features
- Tag scanning intervals
- Scanning thresholds
- Remote configuration updates

Certifications

Regulatory
- CE
- FCC
- IC

Electrical Safety
EN 62368-1

Environmental
RoHS compliant, Drop shock testing in progress

Mounting Options

Supported Methods
- Rivets
- Bolts/screws
- Double-sided tape
- Tie wraps (6mm)
- MS Polymer glue
- Magnet mounting kits