










The externally powered zone anchor with back up battery for localization of assets equipped with Bluetooth tag trackers in a dedicated zone. The zone anchors scans continuously when net powered.

130×72×36 mm  
212g

-  Installed at a fixed location
-  Scans Bluetooth Low Energy tag trackers
-  NB-IoT
-  Europe and North America
-  Back up battery
-  IP67
-  Flame retardant
-  IK 09
-  Net powered

## Connectivity

### NB-IoT

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

### Bluetooth Low Energy (BLE)

- Bluetooth Low Energy 5.0
- Over the air firmware upgrade (BLE)

## Activation and mounting

- Activation manual
- Holes 7x9mm ( $\frac{9}{32} \times \frac{23}{64}$  in) for screws or rivets. 115 mm ( $4\frac{17}{32}$  in) distance between the centers of the mounting holes.
- Instructions for mounting the device are available in the Sensolus documentation center.

## Mechanics & Design

### Antennas

All antennas are internal

### Size

130x72x36 mm  
(5 $\frac{1}{8}$  x 2 $\frac{53}{64}$  x 1 $\frac{27}{64}$  in)

### Weight

218 gram (7.68 oz)

### Color

White

### Casing

- PBT/PC 29 TM-Z2 FR UV LS
- Flame retardant
- UV-stabilized

## Power supply

- 220-230 V Europe
- 110-115 V North America
- Power supply cable length 2 meter

## Back up battery

### Back up battery lifetime when scanning

Utilize the Sensolus battery calculator to assess the lifespan of the backup battery, which varies based on the specific use case.

### Back up battery characteristics

- User replaceable battery pack (Li-SoCl<sub>2</sub>) 12000 mAh
- 2.94 gram (0.1037oz) lithium

## Certifications

### Regulatory

- CE
- FCC
- IC

### Environmental

IK9

### Water & dust resistance

IP67

### Impact resistance

IK09

### Drop shock and vibration

EN 60068

### Operating temperature

-20°C to 60°C  
(-4°F to 140°F)\*

The specifics regarding operational temperature are contingent upon the application, installation circumstances, and environmental factors such as sunlight exposure. For further information, please reach out to Sensolus. Battery life can be affected when devices function for extended periods at the extremes of this range.

- AES encrypted firmware

- Firmware upgrade allows only signed firmware images

### Bluetooth 5.0

Declaration ID D068598

### Electrical safety

EN 62368-1

## User Interaction

### Device activation

Magnetic activation

### Synchronize remote settings

- Instant: Magnet activation
- Periodic: No user interaction needed

### LED feedback

Green & red LED feedback on the device

## Management Services

### Diagnostics

- Battery lifetime prediction
- Detailed energy consumption
- Geolocation diagnostics
- Installation
- Communication quality

### Management

- OTA firmware updates over NB-IoT and BLE
- Remote configuration
- Zone anchor localization with Sensolus smartphone app

## Application services

- Bluetooth tag tracker scanning
- Act as managed geobeacon

## Tag tracking scanning

- Bluetooth tag tracker scanning
- Act as managed geobeacon

Discuss with Sensolus when more than 2000 Bluetooth tag trackers need to be scanned at once

## Firmware configuration

### Bluetooth tag tracker scanning configurations

- Scan and send interval
- Bluetooth tag tracker's RSSI scan threshold
- Filter scanned Bluetooth tag trackers on UUID

### Use as geobeacon

Enabled or disabled

## Security

- Device unique encryption keys
- End to end payload encryption Chacha 20
- AES encrypted firmware
- Firmware upgrade allows only signed firmware images

## Accessories

The ZA 3510 does not ship with a power adaptor. Sensolus has power adaptors for EU, UK and USA.

- ADPT 8500 EU - ZA 3510 net power adaptor EU version
- ADPT 8501 UK - ZA 3510 net power adaptor UK version
- ADPT 8502 US - ZA 3510 net power adaptor US version