



\*\*\* Image for representative purposes only

## OVERVIEW

**ZENIX** is a family of locator and gateway system that is built on advanced and innovative IoT hardware and software platforms that provides positioning and communication for Smart Building, Healthcare and Industry. The **ZENIX LEF-3** is an outdoor BLE Locator & Gateway that collects the data by scanning beacons and tags.

The **ZENIX LEF-3** is a BLE Scanner Locator with POE, Wi-Fi interface, LTE connectivity and GPS positioning. It collects the data by scanning beacons using its external antenna. It provides real time positioning information of the beacons in the vicinity. The external antenna allows longer range outdoor positioning.

**ZENIX LEF-3** is using an embedded processor with **Sentrax's** advanced BLE scanning firmware. It also includes an easy wall/pole mount system.

## ENCLOSURE

**Type:**  
BLE 5.1 Scanner

**Material**  
ABS

| Color     | Weight |
|-----------|--------|
| Off-White | 266g   |

**Dimensions**  
175mm x 130mm x 45mm

**Accessories**  
Wall/Pole Mount

**Protection Class**  
IP67

**Antenna Type**  
External antenna

## SENSORS AND INTERFACES

|            |                  |
|------------|------------------|
| Button     | 1 User Button    |
| Power LED  | 1 Red LED        |
| Status LED | 1 Green LED      |
| Sim Slot   | LTE Connectivity |

## FEATURES

- BLE filtering (Sentrax's Proprietary Algorithm)
- GPS Positioning
- Enable LAN, WIFI & LTE Connectivity
- Beacon PDU Extraction
- Remote tag devices configuration & update

## SOFTWARE - CONNECTIVITY

Sentrax's Solix Platform, MQTT\*

## CERTIFICATIONS

CE, FCC\*\*\*

## ENVIRONMENT

**Frequency:**  
2.4GHz

| Sensing:       |                  |
|----------------|------------------|
| Protocol       | BLE 5.1          |
| Rx-Sensitivity | -103 dBm         |
| Antenna        | External Antenna |
| Range          | 10-50m**         |

## HARDWARE - CONNECTIVITY

|               |  |
|---------------|--|
| Supply Rating | 18 Watts (12 V)  |
| Communication | RJ45 - Ethernet (POE)<br>WIFI - 2.4GHz b/g/n<br>LTE Connectivity |
| Power Options | RJ45 - POE 802.3af<br>DC Adapter - 12 V/1.5A                     |

## ACCESSORIES

- DC 12V/1.5A Adapter
- POE Communication Cable
- Two External Antennas
- Mounting Screws

## OPERATING ENVIRONMENT

|                    |             |
|--------------------|-------------|
| Temperature Range  | 0°C to 60°C |
| Operating Humidity | 90%         |

\* Can be configured to send data on local/clients MQTT broker

\*\* Signal propagation depends heavily on environment conditions

\*\*\* Pending



## CONFIGURATION PORTAL

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The ZENIX Configuration Portal is embedded web page for configuration and device settings management. With the help of this portal customers can check the status of the device, change its parameters, backup and restore its configuration/settings and upgrade firmware

## APPLICATION AREAS

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- Proximity BLE Tag Tracking
- People Tracking
- BLE Tags Health check Monitoring

## CAUTION

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- Risk of fire if power is given of an incorrect type or voltage.
- The Antenna port is output only.

## RECYCLING

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This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

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