

OVERVIEW

ZENIX represents a suite of cutting-edge locator and gateway systems, leveraging state-of-the-art IoT hardware and software platforms to enable sensing and communication across Smart Buildings, Healthcare, and Industrial sectors. The ZENIX LEN-1 is specifically designed to gather data through beacon scanning.

Functioning as a BLE Indoor Scanner Locator with POE and Wi-Fi interfaces, the ZENIX LEN-1 scans beacons using its built-in antenna, delivering real-time positioning data for nearby beacons.

Fueled by an embedded processor integrated with Sentrax's advanced BLE scanning firmware, the ZENIX LEN-1 ensures superior scanning capabilities. Additionally, it boasts a user-friendly wall mount system for seamless installation.



ENCLOSURE

Type:
BLE 5.1 Scanner

Material
ABS

Color	Weight
Off-White	166g

Dimensions
125 mm x 125 mm x 29 mm

Accessories
Wall/Ceiling Mount****

Protection Class
IP54

Antenna Type
Internal

INTERFACES

Button	1 User Button
Power LED	1 Red LED
Status LED	1 Green LED

FEATURES

- BLE Filtering (Sentrax's Proprietary Algorithm)
- Beacon PDU Extraction
- Remote Tag Devices Configuration & Update

SOFTWARE - CONNECTIVITY

Sentrax's Solix Platform, MQTT*

CERTIFICATIONS

CE, FCC*****

OPERATING ENVIRONMENT

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

ENVIRONMENT

Frequency:
2.4GHz

Sensing:

Protocol	BLE 5.1
Rx-Sensitivity	-70 to -82 dBm
Antenna	Internal Antenna Upto -92 dBm External Antenna (Optional)
Range	10-50m***

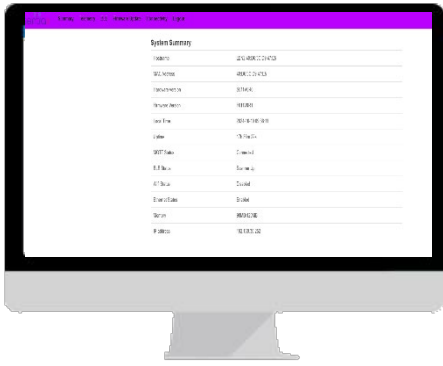
HARDWARE - CONNECTIVITY

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

ACCESSORIES

- DC 12V/1.5A Adapter
- POE Communication Cable
- Wall/Ceiling Mount
- Mounting Screws

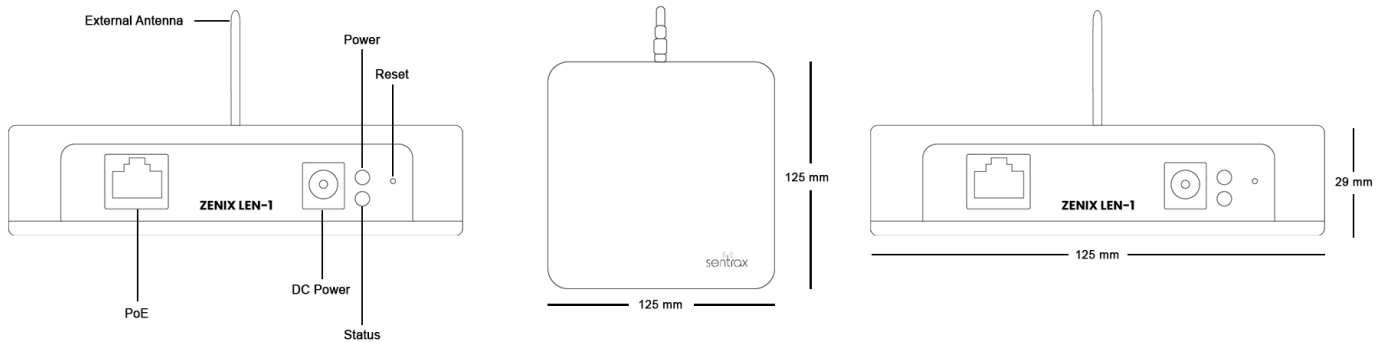
* Can be configured to send data on the local/clients MQTT broker
 ** The Rx-Sensitivity can be achieved upto -92 dBm
 *** Signal propagation depends heavily on the environment conditions
 **** Ceiling mount brackets can also be provided on customer requirements
 ***** Pending



CONFIGURATION PORTAL

The ZENIX Configuration Portal is an 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.

MECHANICAL DRAWINGS



APPLICATION AREAS

- Indoor localization
- Indoor navigation
- Location-based services
- Asset & logistics tracking

CAUTION



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

RECYCLING

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

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