sentrax

OVERVIEW

ZENIX represents a series of cutting-edge locator and gateway systems, leveraging advanced IoT hardware and software platforms to facilitate sensing and communication across Smart Building, Healthcare, and Industrial sectors. The **ZENIX LEN-2** is specifically designed to collect data through beacon scanning, offering real-time sensor data and position information for beacons within its proximity.

Operating as a **BLE Scanner Locator with POE and Wi-Fi interfaces**, the **ZENIX LEN-2** scans beacons using its external antenna to gather data. It delivers real-time sensor data and position information for nearby beacons, with the external antenna extending the indoor range.

Powered by an embedded processor equipped with Sentrax's advanced BLE scanning firmware, the **ZENIX LEN-2** ensures high-performance scanning capabilities. Additionally, it features an effortless wall/ceiling mount system for convenient 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/Celling Mount****

Protection Class

IP54

Antenna Type

Internal

SENSORS AND INTERFACES

Temperature Sensing	0 - 65°C
Humidity Sensing	0 - 100 %RH
Pressure Sensing	0.3 - 1.2 bar
Light Sensing	1 - 65535 lux
PIR Motion Sensing	100° deg
TVOC Sensing Point	1 - 500 VOC
Button	1 User button
Power LED	1 Red LED
Status LED	1 Green LED

FEATURES

- BLE filtering (Sentrax's Proprietary Algorithm)
- Environmental Sensing and Motion Detection
- 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
	Internal Antenna
	Upto -92 dBm
	External Antenna (Optional)
Antenna	Internal
	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
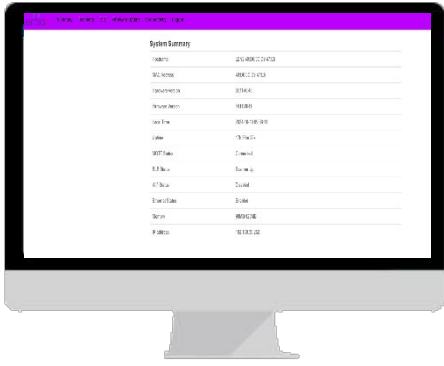- POE Communication Cable
- Wall/Celling Mount
- Mounting Screw

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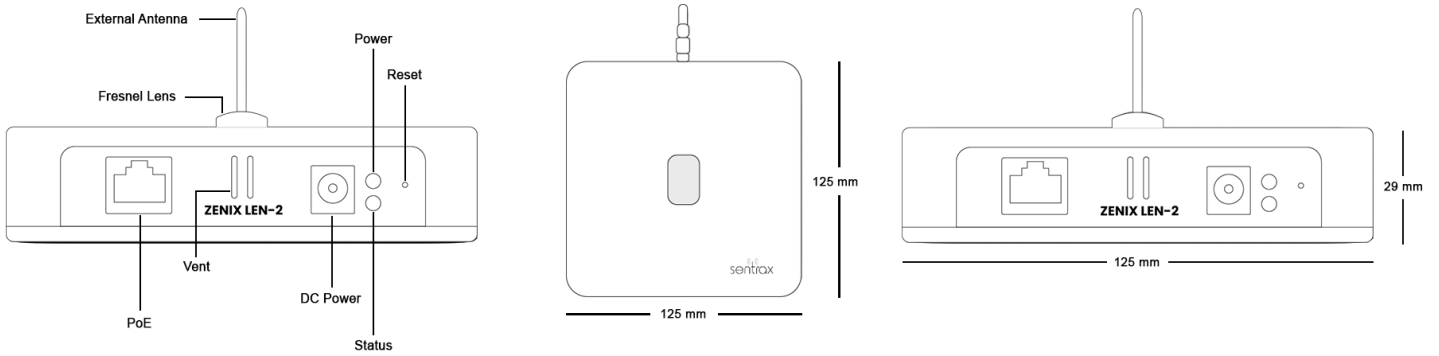**** Ceiling mount brackets can also be provided on customer requirements
***** Pending

Bluetooth SMART

CONFIGURATION PORTAL

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.

MECHANICAL DRAWINGSs

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 European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

CONNECT WITH US

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