



OVERVIEW

The ZENIX LON-2 is a sophisticated indoor locator and gateway system that utilizes Angle of Arrival technology for precise tracking. It is part of the Sentrax's Zenix BLE Scanners family, providing real-time location information for assets and individuals.

The Sentrax's Angle of Arrival (AoA) Scanner, by scanning and detecting Sentrax's Pinix AoA Beacons, collects data and provides real-time angle information, as well as environmental sensor readings including pressure, temperature, humidity, and TVOC. This allows for cost-effective and intelligent workplace solutions.

The ZENIX LON-2, equipped with cutting-edge IoT hardware and software, is designed to serve various industries such as smart buildings and healthcare. It provides a complete solution for real-time location tracking and environmental monitoring.

ENCLOSURE

Type:

BLE 5.1 AoA Scanner

Dimensions:

240 mm (W) x 240 mm (L) x 60 mm (H)

Protection Class:

IP40

Material:

ABS UL94V-0

Color:

Off-White

Weight:

625g

SENSORS AND INTERFACES

Azimuth Angle	0 - 359 deg (± 5 deg)
Elevation Angle	0 - 90 deg (± 5 deg)
Pressure Sensing	0.3 - 1.2 bar
Humidity	0 - 100 %RH
Temperature	0 - 65°C
TVOC Sensing	1 - 500 VOC Index points
Button	1 user reset button
LED	2 Red LEDs and 2 Green LEDs

FEATURES

- AoA filtering (Sentrax's Proprietary Algorithm)
- Beacon Above/Below detection
- 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	Array Antenna
Range	5-50m**

HARDWARE - CONNECTIVITY

Supply Rating	24 Watts (12 V)
Communication	RJ45 - Ethernet (POE) WiFi - 2.4GHz b/g/n
Power Options	RJ45 - POE 802.3at DC Adapter - 12 V/2A

ACCESSORIES

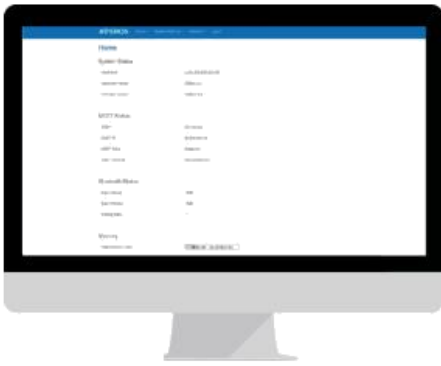
- DC 12V/2A Adapter
- POE Communication Cable
- Wall/Ceiling Mount
- Mounting Screws

OPERATING ENVIRONMENT

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

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

** Distance depends heavily on local deployment environment and height of ceiling.



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

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.

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