



Outdoor Anchor BLE Beacon Tag with Temperature Sensors

OVERVIEW

The PINIX line is a series of advanced Bluetooth Low Energy 5.x devices using standard RTLS tag technology. The **PINIX TEF-1** is specially conceived for advanced business solutions using location-based and navigation-based applications. It features ultra-low power consumption and long battery life. The **PINIX TEF-1** can be easily mounted on various surfaces and uses commercially available replaceable batteries.

The **PINIX TEF-1** comes with a downloadable SDK with an extensive library for easy integration into a wide range of location-based and navigation-based applications. It also includes a wide range of tool facilitating optimal setup and installation.

BLUETOOTH RADIO

Type:
Bluetooth Low Energy 5.x

Advertisement:

- iBeacon
- Eddystone (UID & TLM)
- sBeacon (Sentrax Proprietary)

Advertisement Interval:
100ms to 10.2seconds

Frequency:
2.4GHz

Transmit Power:
+4dBm to -20 dBm

Antenna Type:
PCB Antenna, Omni Directional

BATTERY

Battery type:
ER14505 x 3, 7200mAh, Replaceable

Battery Life:

(Advertisement Rate)	(Battery Life)
500ms	9 Years, 4 Months
1000ms	10 Years, 7 Months

SENSORS AND INTERFACES

Motion sensing	3 Axis Accelerometer
Temperature	Internal Temperature Sensor
LED	3 LEDs (Blue, Red, and Green)

CERTIFICATIONS

CE

ENCLOSURE

Material:	Color:	Weight:
ABS	Light Gray	140g

Dimensions:
111 mm (L) x 62 (W) x 33 mm (H) (with flanges)

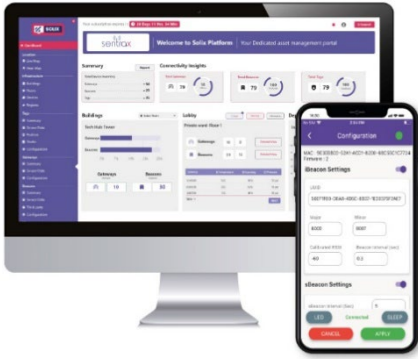
Accessories:
Double-sided tape, Mounting Screws

Protection Class:
IP65

OPERATING ENVIRONMENT

Temperature Range	-30°C to 75°C
Operating Humidity	90%

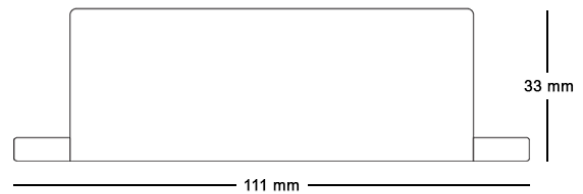
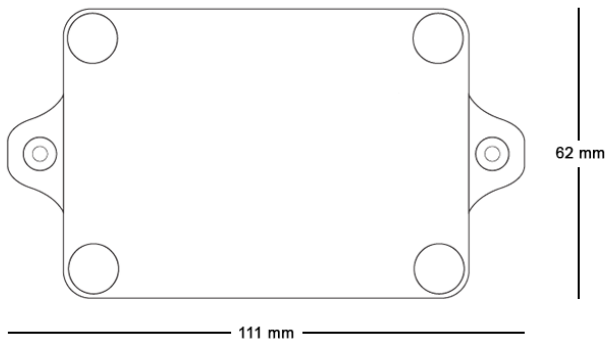
SENTRAX DEVICE MANAGER (SDM)



The [Sentrax Device Manager \(SDM\)](#) app allows you to manage PINIX beacons. You can discover nearby beacons, check their battery levels, view their current settings, and modify them with a protected 4-digit settable PIN.

For security, beacons can only be configured within 15 minutes of a new battery installation or by manually activating configuration mode. Using advanced settings, the configuration window can be extended to up to three weeks.

MECHANICAL DRAWINGS



APPLICATION AREAS

- Indoor & outdoor localization & navigation
- Location-based services

CAUTION



- Risk of explosion if an incorrect type replaces the battery.
- Dispose of used batteries according to the instructions.
- Glue should be used to close the enclosure if opened by use.

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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