PINIX TEF-1   Device Specifications

OVERVIEW

The PINIX line is a series of advanced Bluetooth Low Energy 5.x beacon devices using multi standard beacon technology. The PINIX TEF-1 is specially conceived for advanced business solutions using location based and navigation-based applications. It features an 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. also includes a wide range tool facilitating optimal setup and installation.

BLUETOOTH RADIO

Type:
Bluetooth Low energy 5.0

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)
High- 200ms	7 years 10 months
Medium- 500ms	11 years 5 months
Low- 1000ms	13 years 5 months

SENSORS AND INTERFACES

Motion sensing	3 Axis Accelerometer
Temperature	Internal Temperature Sensor
LED	1 Red LED

CERTIFICATIONS

CE**, FCC**

ENCLOSURE

Material:	Color:	Weight:
ABS	Light Gray	140g

Dimensions:
111 mm (L) x 62 mm (W) x 33 mm (H)
(With flanges)
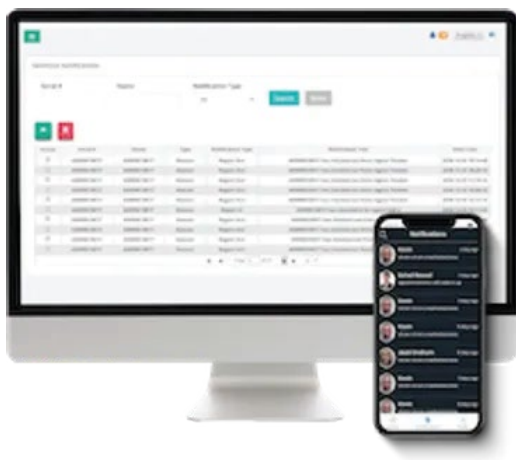
Accessories:
Double sided tape, Mounting Screws

Protection Class:
Ip65 and ip67.2 versions

OPERATING ENVIRONMENT

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

Bluetooth SMART

SENTRAX DEVICE MANAGER (SDM)

With the Sentrax Device Manager (SDM) application you can scan for nearby configurablePINIX beacons, display their battery status, view their settings and make modifications to those settings. Configuration of beacons are password protected with a four (4) digit user defined PIN.

As an added safety feature, the beacons can only be configured with in a period of 15 minutes after installing the batteries or can be manually triggered into configuration mode by pressing the reset button on the Tag. However, this time duration can be increased through the settings to up to 3 weeks or more.

APPLICATION AREAS

- Indoor & outdoor localization
- Indoor & outdoor navigation
- Location based services
- Assets status and tracking

CAUTION

- Risk of Explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions

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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