

### OVERVIEW

The PINIX line is a series of advanced Bluetooth Low Energy 5.x beacon devices using multi-standard beacon technology. The **PINIX TEN-2** is specially conceived for advanced business solutions using location-based and indoor navigation-based applications. It features an ultra-low power consumption and long battery life. The **PINIX TEN-2** can be easily mounted on various surfaces and uses a commercially available replaceable large-capacity battery.

The **PINIX TEN-2** comes with a downloadable SDK with an extensive library for easy integration into a wide range of location-based and indoor navigation-based applications. It also includes a wide range of tools facilitating optimal set-up 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 2, 4800mAh, Replaceable

**Battery Life:**

(Advertisement Rate)	(Battery Life)
500ms	7 years 5 months
1000ms	8 years 8 months

### SENSORS AND INTERFACES

Motion sensing	3 Axis Accelerometer (optional)
Temperature	Internal Temperature Sensor
Button	1 user interact-able button
LED	1 Red LED

### CERTIFICATIONS

CE

### ENCLOSURE

Material:	Color:	Weight:
ABS	White	72g

**Dimensions:**  
70.95 mm (Dia) x 26.20 mm (H)

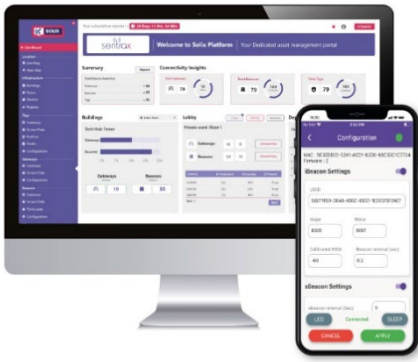
**Accessories:**  
Double-sided tape, Mounting Screw

**Protection Class:**  
IP54

### OPERATING ENVIRONMENT

Temperature Range	-20°C to 70°C
Operating Humidity	90%

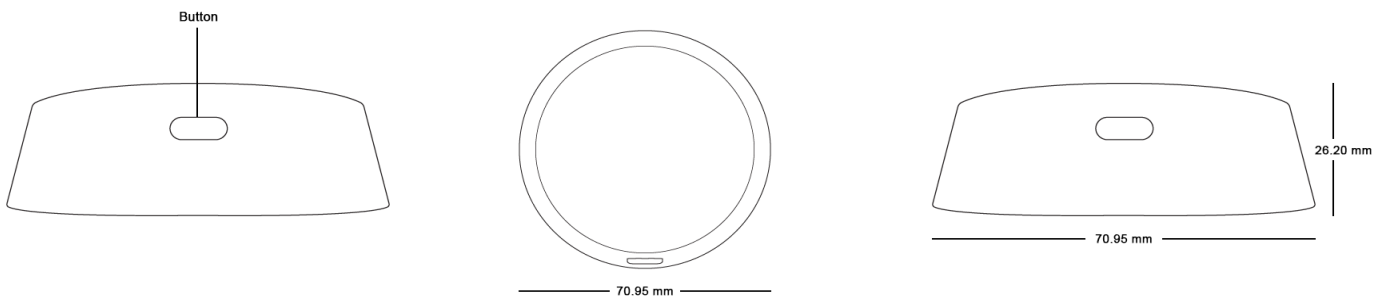
## SENTRAX DEVICE MANAGER



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 localization
- Indoor navigation-based services
- Asset positioning

## CAUTION



- Risk of Explosion if an incorrect type of 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 the product must be handled in accordance with European Directive 2012/19/EU to ensure it is recycled or dismantled, minimizing its environmental impact.

All product names, logos, and brands are the property of their respective owners. All company, product, and service names used in this datasheet are for identification purposes only. Use of these names, logos, and brands does not imply endorsement.