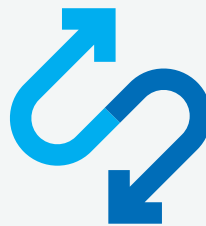


Stratosfy Beacon-I0



Stratosfy Beacon-I0

FCC ID : 2A3CA-STSFYBTI002 | IC : 27758-STSFYBTI002

User Manual

Version 1.0.0

Stratosfy Beacon-IO Datasheet

Stratosfy Beacon-IO is a wireless communication device that transmits Bluetooth identity messages, ideal for indoor and outdoor applications.

Summary

The role of Stratosfy Beacon-IO, as part of Stratosfy Workforce Management solutions, is to guarantee activities are carried out at precise locations by either registering workforce presence or unlocking location-based task lists when workers are within the device's communication range.

Technology Highlights

- Proprietary technology
- Bluetooth 5 ready multi-protocol radio-based device
- Location precision down to 6 ft (2 m)
- Supports iBeacon and Stratosfy Telemetry (proprietary) packets concurrently
- Fully manageable devices via Stratosfy's Mobile applications

Applications

Stratosfy Beacon-IO devices are typically meant to be installed at different interior areas of a location, such as lobbies, elevators, washrooms, meeting rooms, maintenance rooms and at different exterior areas of a location, such as parking lots, garages, lobbies, elevators, washrooms, meeting rooms, maintenance rooms, garbage bin areas.



How it works

Stratosfy Beacon-IO devices interface with the Stratosfy's mobile application used by the workforce to certify they are in precise predefined locations within a property while performing their duties.

The Stratosfy's mobile app can detect Stratosfy Beacon-IO devices when within the communications range. The app then reports the presence of the service professional and the service activities performed by the service professional to Stratosfy's cloud, along with precise and reliable location data and the timestamps automated collected during the interaction between the Stratosfy Beacon-IO device and the smartphone.



Technical Specifications

Model Number : **STSFY-BT-IO02**

RF Specifications

Standard Protocol	Bluetooth 5
Frequency band	2.4GHz
Number of Channels	3 Primary, 37 Secondary
Output power	0dBm (default power upon shipping), Programmable -40dBm to +8dBm
Modulation	GFSK
Antenna / Gain	Chip antenna, 1.1 dBi
Mode of Operation	half-duplex
Data Rates	1 Mbit/s

Features

BLE Application Supported	iBeacon, Stratosfy Telemetry
Processor Type	32-bit ARM Cortex-M4F @ 64MHz
Memory	1 MB Flash

Physical

Dimensions in mm (Length x Width x Height)	94.5 x 43 x 19
Mounting Method	Wall Mounted with 3M Double-Sided Adhesive (included)
Housing Material	ABS Plastic for Housing, Rubber for Gasket
Color	White
Weight	54 grams

Battery

Type	3V / 950mAh – CR2477 Lifetime (depending on utilization) 18-24 months expected, dependent upon environmental operating conditions, device configuration, communication frequency
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Chemical and Mechanical Resistance

Water	Water Resistant, IP65
Withstands Exposure To	UV Resistant, Impact Resistant

Thermal

Storage	32°F to 86°F (0°C to +30°C)
Operating Temperature	-4°F to +140°F (-20°C to +60°C)

Other

Standards	FCC ID: 2A3CA-STSFYBTIO02 IC: 27758-STSFYBTIO02
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Box Size	10 pcs.
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Warranty	1 year
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Accessories



Replacement CR2477 batteries - 3V / 950mAh
capacity coin cell CR2477 batteries



Velcro tape/3M tape - 3M Velcro hook and loop
dual lock tape 1 inch squares



FCC statements

"This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation."

"Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment."

IC Statements

"This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

"Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil."

Health Canada RF Exposure Warning Statement

"This device complies with Health Canada's Safety Code. The installer of this device should ensure that RF radiation is not emitted in excess of the Health Canada's requirement. Information can be obtained at http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/radio_guide-lignes_direct/index-eng.php"

French version

"Cet appareil est conforme avec Santé Canada Code de sécurité 6. Le programme d'installation de cet appareil doit s'assurer que les rayonnements RF n'est pas émis au-delà de l'exigence de Santé Canada. Les informations peuvent être obtenues:

http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/radio_guide-lignes_direct/index-eng.php"



U.S.: Federal
Communications
Commission (FCC)



Canada: Industry
Canada (IC)



Designed in Canada

