OnAsset SENTRY 600 FlightSafe® Product Manual

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SENTRY 600 FlightSafe® OVERVIEW

The SENTRY FlightSafe® is a reusable shipment tracking and monitoring device, allowing users to easily track location and sensor status.

Sustainable: rugged, rechargeable, and reusable to provide continuous returns on your investment

Flexible: customizable reporting intervals and alerts, easily branded with your logo and colors

Powerful: the latest in 5G radio, sensor, and battery technology

Intelligent Edge: screen and button array allows direct setup and data viewing on the device without having to login to software.

Interoperable: immediately integrates with existing systems and hardware and designed for future interoperability

Compliant: FAA and EASA aviation regulations compliant, with 21 CFR Part 11 and GxP-compliant temperature monitoring
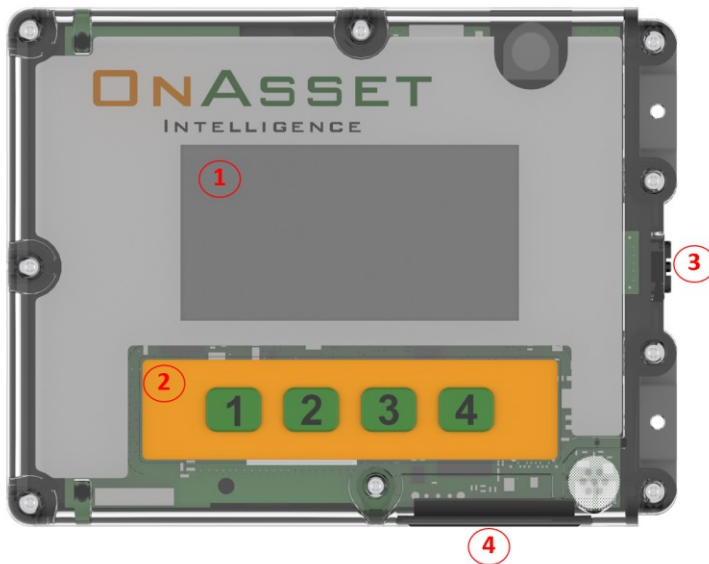
Secure: leverages the latest in hard- ware and software encryption for best-in-class security

Scalable: designed from the ground up to enable massive scalability and support a future where every shipment is enabled with sensor technology

Customizable: leverage OnAsset's extensive experience to integrate the SENTRY FlightSafe® into your packaging and assets to create the connected supply chain. OnAsset Sentinel tags are intended to enable a variety of asset tracking and monitoring applications using low-cost Bluetooth Low Energy (BLE) multi-sensor devices.

Communication	Cellular	Global coverage with LTE-M, NB IoT, 2G Cat M1: B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/B20/ B25/B26/B27/B28/B66/ B85 Cat NB2: B1/B2/B3/B4/B5/B8/ B12/B13/B18/B19/B20/ B25/B28/B66/B71/B85 GSM/EDGE 850/900/1800/1900 MHz Max Power Power Class 3 23 @ LTE Bands
	Wi-Fi	802.11 b/g/n Max Power 2.4 GHz: 16 dBm at 1 DSSS 5 GHz: 15.1 dBm at 6 OFDM
	Bluetooth	BLE 5.0 Bluetooth 2.4 GHz ISM band Max Power: +8dBm to +19 dBm
	LPWAN	LoRaWAN® V1.0.3 compliant 916 MHz ISM band (US) 868 MHz ISM band (Europe) Max Power +16 dBm
	Location	GPS/GLONASS/Galileo/BeiDou/Wi-Fi/
Battery	Rechargeable	Polymer Lithium-ion 5400mAh 3.7V
Sensors	Environmental	Dual Temperature Sensors: Digital + NTC (+/- 0.5°C accuracy cert optional). Humidity, Pressure and Light
	Handling	Dual Accelerometers: Shock (1-100G). Motion Detection and Tilt
Operating Temperature		-20°C to +60°C (0 to +45°C Charging)

SENTRY 600 FlightSafe® At a Glance

1 Display: Indicates general device health and performance

2 Membrane touch Pad: Customizable button for Various functions and scrolling options

3 USB-C charging and accessory port

4 On/Off switch and USB-C debug port

PRODUCT USAGE & HANDLING INFORMATION

Handle the device with care. To avoid damage to the product and possible injury to the user, please observe the following:

- Do not attempt to open or disassemble the product. The SENTRY FlightSafe® is not a user-serviceable devices.
- Do not use or store The SENTRY FlightSafe® outside of the stated operating temperatures. High or low temperatures can shorten the life of the device.
- Do not modify the The SENTRY FlightSafe®. Unauthorized modifications may damage the device and violate regulations governing radio devices.
- Dispose of The SENTRY FlightSafe® properly. Always return your used electronic products, and packaging materials to dedicated collection points for appropriate disposal. Used batteries are not for reuse and should be returned to dedicated collection points for recycling.

PRODUCT Notifications

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

- NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- This Class A digital apparatus complies with Canadian ICES-003.
  Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.
- 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.
- This device complies with ISED Canada license-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.
  Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
- This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Conclusion

- OnAsset declares that the essential requirements of RED 2014/53/EU are fulfilled with the applied standards. Refer to Article 10(9).
- Manufacturers shall ensure that radio equipment shall be so constructed that it can be operated in at least one member state without infringing applicable requirements on the use of radio spectrum. Refer to Article 10(2).