samsara

Asset Tag

AT12X DATASHEET | PN: 030-00027

OVERVIEW

The Asset Tag is a compact tracking device built to easily locate, manage, and safeguard small, mission-critical tools and equipment. It features a ruggedized, waterproof enclosure, near real-time location updates via the Samsara Network, and discrete but flexible mounting options.

The Asset Tag enables improved inventory management, loss and theft protection, and field productivity for operations that manage assets at scale.

HIGHLIGHTS

- **Industry's leading Bluetooth network**: BLE location updates via the Samsara network of devices, with extended coverage into buildings through consumer smartphones in Hubble's Terrestrial Network
- **Hazardous Location AT12X:** Certified Class I Division 1 Groups A-D (C1D1) and ATEX Zone 2 for hazardous locations
- **End-to-end theft & loss workflow:** Helps you detect, investigate, and recover assets to avoid unnecessary replacement cost and downtime.
- **Compass Mode:** Enables crews to quickly pinpoint an asset’s exact location. Powered by ultra-wideband (UWB) technology, the experience provides real-time distance and directional guidance - with an on-screen arrow leading them straight to the asset.
- **Easy installation:** Discrete, flexible mounting options for quick installation
- **Unified platform:** Unlocks a wide array of customizable reports, alerts, and mobile apps for workers and admins as part of Samsara’s Connected Operations Platform

Technical Specifications

CONNECTIVITY

Connectivity: BLE 6.0 **Output power:** 21dBm (US), 13dBm (EU)
Connectivity: UWB
Operating area: United States, Canada, UK, Mexico, Europe
Secure Communications: All communications are anonymized and authenticated using AES encryption

LOCATION

Approximate geolocation is based on the GPS location of nearby gateways in the Samsara network that detect the Asset Tag 2.4 GHz advertisements.

POWER

The Asset Tag is powered by a high capacity lithium battery that is designed to last 6 years under nominal conditions and is not replaceable. Actual battery life may be reduced by extreme temperatures. For questions about the safe use of Lithium battery powered devices, please consult your company's safety department.
Rating 3V, 0.5A max

ENCLOSURE

- Material UV-stabilized polycarbonate, UL-94V0
- Dimensions 22 x 28 x 65 mm
- Weight 35 g
- Operating Temperature -40°C to 60°C
- IP Rating
    - IP67 (weatherproof and water resistant up to 1m submerged)
    - IP69K (highest grade resistance to high pressure and high temperature washdown)

INSTALL ACCESSORIES

What's Included
1x Double sided adhesive tape per device

Regulatory Information

ISED STATEMENT

This device complies with Innovation, Science and Economic Development Canada's license-exempt RSSs. 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.
This equipment complies with Innovation, Science and Economic Development Canada RF exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated to ensure a minimum of 20 cm spacing to any person at all times. CAN ICES-003(A)/NMB-003(A)

ISED Radiation Exposure Statement: This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body

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FEDERAL COMMUNICATION COMMISSION INTERFERENCE STATEMENT

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. 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. FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For detailed product specifications and important safety information, please refer to the product's installation guide, available at http://samsara.com/at12-install.

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EUROPEAN UNION

This symbol on the product(s) and / or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge.

- CE: "Compliant with 2014/35/EU (LVD) or 2014/30/EU (EMC)".
- RoHS: "RoHS Compliant" or "RoHS 3 (Directive 2015/863/EU)".
- REACH: "REACH Compliant (SVHC Free)

HAZARDOUS LOCATIONS

USA Hazardous Location Safety
UL 60079-0 Ed. 7, 60079-11 Ed. 6, UL 913 Ed. 8 & UL 62368-1 Ed. 4

Canada Hazardous Location Safety
CSA-C22.2 NO. 60079-11:11, CSA-C22.2 NO. 60079-0:19 (R2024) & CSA-C22.2 NO. 62368-1 Ed. 4

Class I, Division 1, Groups A-D, T4
Class I, Zone 0 AEx ia IIC T4 Ga
Ex ia IIC T4 Ga
$-40^{o}C \leq T_{amb} \leq +60^{o}C$

European Union Hazardous Locations Safety
ATEX Directive 2014/34/EU


II 3 G Ex ic IIC Gc