

# Asset Tag

AT11X DATASHEET | Model 030-00020



## 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

- **Samsara Network:** Approximate BLE location updates via Samsara's network of gateways
- **Hazardous Location:** Certified Class I Division 1 Groups A-D (C1D1) and ATEX Zone 2 for hazardous locations
- **Mobile-first tools:** Locate assets in the field directly from Samsara's Driver or Fleet app
- **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

---

**Data Communications:** 2.4GHz ISM Band

**Output power:** 20dBm (US), 12dBm (EU)

**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 CR2/3AZ battery that is designed to last 4 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
- 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)

## SAMSARA CLOUD SOFTWARE FEATURES

---

- Approximate GPS based location tracking
- Developer APIs
- Alerts
- Inventory Reports
- Geofence

## INSTALL ACCESSORIES

---

### What's Included

1x Double Sided VHB 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

## 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/at11-install>.

## 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.



This radio equipment intentionally emits radio waves. These are the frequency bands in which the radio equipment operates and maximum radio-frequency power transmitted in the frequency bands in which the radio equipment operates.

BLE Frequency Bands	Maximum TX Power
Freq. (MHz)	EIRP (dBm)
2402	11.15
2442	11.11
2480	11.24

## HAZARDOUS LOCATIONS

USA Hazardous Location Safety  
UL 60079-0,11, UL 913

Canada Hazardous Location Safety  
CSA 22.2#60079-0,11

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

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



II 3 G Ex ic IIC Gc