



Unpowered Asset Tracker

AG45 Datasheet



OVERVIEW

The AG45 Unpowered Asset Tracker is a wallet-sized tracker ideal for monitoring assets like intermodal containers, construction equipment, dumpsters, light towers and other mobile assets etc. It features two GPS check-ins per day, a high capacity replaceable battery that lasts 5 years and a waterproof and ruggedized enclosure. The AG45 enables increased asset utilization, theft recovery and optimized pool inventory management. It is part of Samsara's complete sensor system that combines asset tracking, fleet management, safety, and compliance solutions in a single platform.

CONNECTIVITY

Cellular	LTE-M Connectivity
Offline Storage	Built-in flash memory logs data when Internet connectivity is unavailable
Security	All Internet connectivity secured via SSL with 256-bit AES encryption (military-grade)

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LOCATION

GPS	Advanced positioning system simultaneously reads from multiple independent satellite systems including GPS and GLONASS global navigation satellite systems. Internal antenna for discreet installation. Industry leading -146 dBm sensitivity with 1 second time-to-fix (hot start).
Default Check-in	Twice per day

POWER

Battery	<ul style="list-style-type: none">• 4 AA batteries (Replaceable with SAFT LS14500)• Typical battery life 4-5 years (2 check-ins/day)• Actual battery life may be affected by extreme cold or cellular signal strength
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ENCLOSURE

Material	Polycarbonate
Dimensions	70×112×29 mm
Weight	180 gms
Operating Temperature	-20°C to 65°C
IP Rating	IP67 Certified (weatherproof and water resistant up to 1m submerged)

SAMSARA CLOUD

Features	<ul style="list-style-type: none">• Map-based location tracking• Ability to customize ping rates and switch to real-time for theft detection• Developer APIs• Alerts• Geofence
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INSTALL ACCESSORIES

What's Included

- Anti-theft machine screws
- Anti-theft self tapping screws
- Anti-theft screw bit
- VHB strip
- Alcohol wipes

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FEDERAL COMMUNICATION COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

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.

IMPORTANT NOTE

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 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.