Unpowered Asset Tracker

AG41 DATASHEET

OVERVIEW

The AG41 Unpowered Asset Tracker is ideal for monitoring high-value mobile assets including rail cars, intermodal containers, construction equipment, dumpsters, portable toilets, lifts, etc. It features two GPS check-ins per day, a high-capacity battery that lasts 4-5 years and a waterproof and ruggedized enclosure.

The AG41 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.

Technical Specifications

Cellular Data Connectivity

Cellular Data	4G LTE cellular connectivity, with 3G fallback where LTE coverage is unavailable. LTE: quad band 2/4/5/12. 3G: dual band 2/5. Operating area: United States, Canada, Mexico
Offline Storage	Built-in flash memory logs data when Internet connectivity is unavailable.
Secure Communications	All Internet connectivity secured via SSL with 256-bit AES encryption (military-grade).

Location Tracking

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 -162 dBm sensitivity with 1 second time-to-fix (hot start).
Check-in rate	2 times per day

Power

Battery	12.5 Ah internal battery capacity Typical battery life 4-5 years (2 check-ins/day). Actual battery life may be affected by extreme cold or cellular signal strength. Remove activation cap when stored indoors to conserve battery life.

Enclosure

Material	Gateway: UV-stabilized polycarbonate Mounting plate: Powder-coated and corrosion-resistant stainless steel
Dimensions	105 x 152 x 47.5 mm (4.1 x 6.0 x 1.9 inches)
Weight	510g
Operating temperature	Operation: -40° to 80°C
IP rating	IP 67 (weatherproof and water resistant up to 1m submerged)

Samsara Cloud Software Features

Software Features	Map-based location tracking Real-time alerts (SMS, email) Operational reports: Utilization, inventory, and time on site Developer APIs

Ordering Information

Unpowered Asset Tracker

HW-AG41	Samsara Unpowered Asset Tracker (requires license)

Gateway License (one per gateway)

LIC-AG4-ENT	Enterprise license for AG41 gateways, includes hosted software, cellular connectivity, ongoing software upgrades, maintenance, and support.
LIC-AG4-EXPRESS	Express license for AG41 gateways, includes hosted software optimized for small-business fleets, cellular connectivity, ongoing software upgrades, maintenance, and support.