



AS300

Compact asset tracker

The AS300 is a compact asset tracker with a rechargeable battery, designed for short-term shipping needs. With ruggedized IP67-rated protection, it can withstand daily environmental conditions.

Its versatile design allows for easy installation on various items like cold chain trailers, valuable goods, small machines, and toolboxes using either powerful magnets or zip ties. Additionally, it is well-suited for personal tracking applications such as backpacks, delivery packages, and tracking valuable products.



 SIM card included



Unique features

-  4 weeks of battery life without charging (Hourly report interval)
-  LTE Cat.M connectivity
-  Compact size and lightweight

-  Bluetooth Long-Range connectivity for various wireless sensors
-  Rechargeable via USB Type-C
-  Ruggedized IP67 enclosure

Ordering Information

Model	Region	Connectivity
AS300	Global	Cat.M



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Specifications

Cellular

AS300 (Global)	LTE FDD Cat.M B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B27, B28, B66, B85.
Data support	UDP/IP, TCP/IP
Roaming	Global data roaming
FOTA	Supported
Antenna	Embedded cellular antenna

Positioning

GNSS receiver	99 channel engine
GNSS engine	GPS & GLONASS
Other location technology	Wi-Fi Scan
SBAS support	WAAS, EGNOS, GAGAN, MSAS
Tracking sensitivity	-167dBm
Acquisition sensitivity	-149dBm
Location accuracy	2.5m CEP 50%
Antenna	Internal

Sensors

Accelerometer	3-axis ±16g
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Electrical

Operating voltage	3.7V
Current consumption	Deep Sleep Mode < 12uA
Battery type	Li-ion
Battery capability	920mAh
Battery life	2 years (daily report interval) 4 weeks (hourly report interval) 2 days (every 5min report interval)
LED indicator	Internal (power status indicator)

Wireless

Bluetooth	Low Energy v5.0, Class 2 (support long range)
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Memory

Internal flash memory	16 Mbits 10,000 queues
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Environmental

Operating temperature	-20°C to +60°C (recharge 0°C to +45°C)
Humidity	95%RH@ 50°C Non-condensing
Vibration/Shock	MIL-STD-810H
Salt fog	MIL-STD-810H
Low pressure	MIL-STD-810H
Unit drop test	MIL-STD-810H
IP rating	IP67

Physical

Dimensions	90 mm x 60mm x 21.85 mm (3.5" x2.4" x 0.9")
Weight	94 g (0.21 lb)
Enclosure	UV-Resistant PC
Mounting method	Magnet mount, ZipTie

Connectors

SIM	Embedded SIM with nano-SIM option
USB Type-C	Battery recharge and configuration

Certifications

Standards	FCC, IC, CE, RoHS
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Last updated: 12 June 2025