Cal/Amp®



LTE CAT M1 · DATA SHEET

ATU-1300M™

Compact, rugged battery-powered GPS tracker for long-term asset visibility

DIMENSIONS	WEIGHT
101.8 × 50.2 × 39 mm (4.01 × 1.98 × 1.54 in)	157 g (5.5 oz)

Overview

The ATU-1300 is a compact, battery-powered GPS tracker built for demanding environments. It combines up to five years of battery life, an IP67-rated design, movement-based tracking, and CalAmp cloud connectivity for long-term asset protection.

Highlights

- Compact, battery-powered GPS tracking for long-term deployments
- Up to five years of battery life at once-daily location updates
- IP67-rated enclosure resists dust and temporary water immersion
- Movement-based tracking supports responsive asset visibility
- Battery-status notifications simplify device service scheduling
- CalAmp cloud connectivity supports secure, scalable integration

Technical Specifications

Cal/Amp

PHYSICAL DESIGN

Dimensions	101.8 × 50.2 × 39 mm (4.01 × 1.98 × 1.54 in)
Weight	157 g (5.5 oz)

CELLULAR

LTE CAT M1 Bands	B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B27, B28, B66, B85
2G Bands	B2, B3, B5, B8
Data Support	SMS, UDP Packet Data

GNSS

Constellation Support	GPS, GLONASS, Galileo, BeiDou, QZSS
Tracking Sensitivity	-157 dBm
Acquisition Sensitivity	-157 dBm (hot start) -146 dBm (cold start)
Location Accuracy	<2.5 CEP open sky

ANTENNAS & SIM

Cellular Antenna	Internal
GPS Antenna	Internal
SIM Access	Internal (4FF SIM)

POWER

Battery Capacity	1500 mAh
Battery Technology	Four CR123A lithium manganese dioxide (LiMnO2) batteries
Battery Life	One report per day: 1825 days, typ.

ENVIRONMENTAL

Temperature	-20° to +60° C
Humidity	65+/-20% RH @ 50° C non-condensing
Shock & Vibration	MIL-STD-202G, MIL-STD-810F, SAE J1455
ESD	IEC 62368
Environmental Rating	IP67

EDGE INTELLIGENCE

Firmware	EdgeCore
Edge Programming	PEG2 & EdgeApp SDK
Geofences	32 built-in
Buffered Messages	Up to 20,000
Operating System	ThreadX RTOS

CLOUD / SOFTWARE SERVICES

Device Management	Manage, configure, and deploy OTA software updates to connected assets at scale
CalAmp Telematics Cloud	Stream telematics data into proprietary systems with flexible API integration
CalAmp App	Fleet and asset management software for tracking, monitoring, and managing vehicles, equipment, drivers, assets, and cargo.

CERTIFICATIONS

Certifications	FCC, IC, CE, PTCRB, RoHS

ACCESSORIES

Accessories	Optional “ATU-1300 Mounting Bracket” Sold Separately

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