Cal/Amp®

ATU-1650MB™

Compact Multi-Purpose Asset Tracker

Dimension:

2.5" x 2.0" x 1.1"

Weight:

106 g

Overview

Designed to deliver industry-leading tracking accuracy, long battery life, and rugged performance for diverse applications, the CalAmp ATU-1650MB is a next-generation wireless GPS tracking device with a compact, discreet form factor that allows for easy mounting and seamless integration into any environment. Built for standalone use or to supplement existing asset protection systems, the ATU-1650MB is a powerful tool for advanced vehicle recovery and asset tracking.

With up to 7 years of battery life, configurable tracking intervals, and remote management through CalAmp Device Management, this device combines versatility, durability, and efficiency. Whether safeguarding assets or enhancing operational control, the ATU-1650MB empowers businesses to stay ahead with secure, scalable tracking solutions.

Highlights

★ Rugged & weatherproof design

★ 7 years battery life

★ Multi-Region Connectivity

★ Standalone or Dual-Device Operation modes

★ BLE 5.2

ATU-1650MB ™

Technical Specifications

Cellular Connectivity

LTE CAT-M1 Bands	B1, B2, B3, B4, B5, B8, B12*, B13, B18, B19, B20, B25*, B26, B27, B28, B66*, B85
2G Bands	850/900/1800/1900 MHz
SIM Access	Internal 4FF

GNSS

GNSS Constellations	GPS, GLONASS, BeiDou, Galileo
Tracking Sensitivity	-161 dBm
Acquisition Sensitivity	-145 dBm (cold start)
Location Accuracy	<2.5 CEP
AGPS Location Assistance	Enabled

I/O Interfaces

USB Port	Internal debug & configuration

Connectors & Antennas

Cellular Antenna	Internal
GPS Antenna	Internal
BLE Antenna	Internal

Certifications

FCC, PTCRB, CE, CE Cybersecurity, ISED, RoHS 3, E-Mark, Applicable Carriers

Battery Pack

Battery Capacity	4400mAh
Battery Technology	LiMnO2
Battery Life**	• One report per day: up to 7 years • Four reports per day: up to 1.5 years • Report every 5 minutes: up to 10 days

Environmental

Temperature	-25°C to +68°C (operating)
Humidity	+25°C to +60°C, 65% RH
Shock and Vibration	SAE J1455
Electrostatic Discharge	IEC61000-4-2 (4kV)
Ingress Protection Rating	IP66 & IP67

Interface Standards

Bluetooth	BLE 5.2

Edge Programming

Operating System	ThreadX RTOS
Firmware	EdgeCore
PEG2	Programmable device behavior logic for intelligent event processing
Onboard Geo-Fences	Locally stored geofence data for real-time geospatial processing
Buffered Messages	20,000

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

Accessories

Installation bracket	Sold Separately

* Band 12 is a superset of Band 17, Band 25 is a superset of Band 2, and Band 66 is a superset of Band.

** Battery life varies based on environmental conditions, installation orientation, update frequency, network availability, and any advanced configurations or optional BLE-enabled features.

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