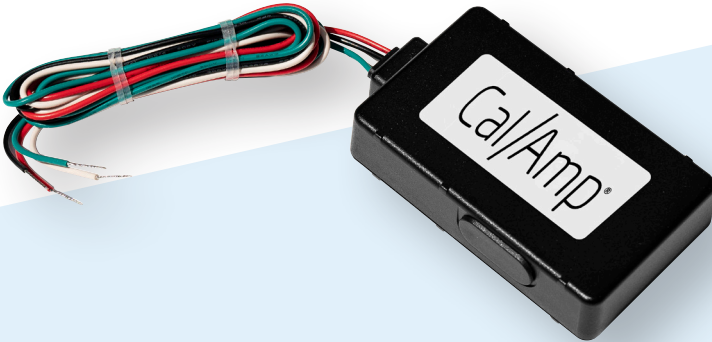


# LMU-1300M

LTE CAT M1 Sealed

Cal/Amp®

Compact and Ruggedized GPS Asset Tracker



#### Dimensions

3.50" x 1.97" x 0.75"

89 mm x 50.1 mm x 19.2 mm

#### Weight

3.53 oz. (100 g)

#### Cloud Native Platform

CalAmp Telematics Cloud allows you to connect remote assets to a diverse set of vertical applications and thirdparty services to scale your fleet and power data-driven operations. .

#### Powerful Applications

CalAmp's enterprise-grade applications allow you to visualize the data you need and extract maximum value while minimizing your costs. Put intelligent analytics and custom reporting at your fingertips via a single-view, user-friendly interface.

## Asset and Vehicle Tracking Technology

Flexible • Precise • Affordable



#### Flexible Installation

Wired, OBDII (with optional adapter), and cigarette lighter power harness options for ready-to-use device setup



#### Remote Safety Lockout

Easily disable vehicles or equipment, and remotely enable theft detection and stolen vehicle recovery



#### Driver Monitoring

Run time and performance diagnostics including speeding, accident detection, extreme braking and cornering, etc.



#### Comprehensive Inputs/Outputs

Digital and Analog I/O options, triple-axis accelerometer



#### Battery Assurance

Mitigate interference or power loss with internal backup included battery

# LMU-1300M, LTE CAT M1 Sealed | Rugged. Precise. Affordable.

Cellular/Network	
Global Variant	
LTE CAT-M1	2100 (B1)/1900 (B2/B25)/1800 (B3)AWS 1700 (B4/B66)/850 (B5/B26)/900(B8)/700 (B12/B13/B28/B85)/800 (B18/B19/B20/B27) MHz
GSM/GPRS	850/900/1800/1900 MHz

Data Support
SMS, UDP Packet Data

Satellite Location (GNSS)	
Constellation Support	GPS/GLONASS/BeiDou/Galileo/QZSS
Tracking Sensitivity	-157 dBm
Acquisition Sensitivity	-157 dBm (hot start) -146 dBm (cold start)
Location Accuracy	<2.5m CEP Open Sky
Location Update Rate	Up to 5 Hz

Comprehensive I/O	
Digital Inputs	1 (high/low selectable 0-32 VDC)
Digital Outputs	1 (open collector relay 150mA)
Serial Interfacet	1 USB Port
Sensors	Accelerometer: Triple-axis, impact, motion sense Gyroscope: Triple-axis, tilt, yaw, roll detection

Wireless Interfaces	
Cellular Antenna	Internal
GPS Antenna	Internal

Connectors/SIM Access	
SIM Access	External

Certifications	
Industry Certifications	FCC, IC, PTCRB, CE/RED, Applicable Carriers

For full tech specs visit [calamp.com](https://calamp.com)

<sup>1</sup> Subscription service required. Contact sales rep for additional details.

<sup>2</sup> PEG Configuration Option

<sup>3</sup> IP Certified if CalAmp Assembled

Electrical	
Operating Voltage	12/24 VDC Vehicle Systems 9-32 VDC (start-up, operating) 7-32 VDC (momentary)
Power Consumption <sup>2</sup>	Typical <500uA @ 12V (low power sleep) Typical <15mA @ 12 V (radio-active sleep) Typical <60mA @ 12 V (GPS tracking and cell idle)

Battery Pack	
Battery Capacity	180 mAh
Battery Technology	Lithium-Ion
Charging Temperature	0° to +45° C

Environmental	
Temperature	-30° to +60° C (connected to primary power) -20° to +60° C (operating on internal battery) -10° to +25° C ≤ 6 months (long term storage with battery)
Humidity	90% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G, 810F, SAE J1455
ESD	IEC 61000-4-2 (4KV test)
Ingress Protection Rating <sup>3</sup>	IP65

Physical/Design	
Dimensions	3.50 "x 1.97" x 0.75" 89 mm x 50.1 mm x 19.2 mm
Weight	3.53 oz. (100 g)

Edge Intelligence <sup>1</sup>	
PEG™	Behavioral scripting (PEG2 on RTOS)applications
Geo-Fences	32 built-in
Buffered Messages	20,000

Cloud/Software Services <sup>1</sup>	
CalAmp Application	Monitor, manage, upgrade firmware, configure and troubleshootdevices remotely
CalAmp Telematics Cloud	Device data stream via RESTful APIs

