

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 Interface	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

¹ Subscription service required. Contact sales rep for additional details.

² PEG Configuration Option

³ 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 ²	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 ³	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 ¹	
PEG™	Behavioral scripting (PEG2 on RTOS) applications
Geo-Fences	32 built-in
Buffered Messages	20,000

Cloud/Software Services ¹	
CalAmp Application	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
CalAmp Telematics Cloud	Device data stream via RESTful APIs

