LMU-3040LA
LTE CAT-1

CalAmp®

Robust ODB Telematics with Built-in (Vehicle) Diagnostics for Enterprise Fleet Applications

Dimensions
1.88" x 2.50" x 1.14"
48 mm x 63.25 mm x 29 mm

Weight
2.54 oz. (72 g)

Cloud Native Platform
Telematics Cloud allows you to connect remote assets to a diverse set of vertical applications and third party 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.

Vehicle Tracking Technology
Flexible • Precise • Affordable

Flexible Installation
OBDII for ready-to-use device installation and setup

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

Battery Assurance
Mitigate interference or power loss with internal backup battery

Gateway and Tag Ecosystem
Integrate with purpose-built tags and sensors for monitoring location of cargo in transit

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

Vehicle Diagnostics
Comprehensive vehicle diagnostic capabilities built-in to every device. No accessory needed

LMU-3040LA, LTE CAT-1 | Powerful. Precise. Affordable.

Cellular/Network

North American Variant I	
LTE CAT-1	1900 (B2)/AWS 1700 (B4)/850 (B5)/700 (B12) MHz
HSPA/UMTS	850 (V)/1900 (II) MHz
North American Variant II	
LTE CAT-1	850/900/1800/1900 MHz

Data Support

SMS, UDP Packet Data, TCP, TLS

Satellite Location (GNSS)

Constellation Support	Hybrid GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS)
Channels	55 Channel
Tracking Sensitivity	-167 dBm
Acquisition Sensitivity	-157 dBm (hot start) -148 dBm (cold start)
Location Accuracy	~2.0m CEP Open Sky (GPS SBAS 24 hours static)
Location Update Rate	Up to 5 Hz
AGPS Location Assistance Capable	Yes

Comprehensive I/O

OBD-II Interface	J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230 KWP 2000, ISO-15765 CAN, SW-CAN
Serial Port	USB serial interface
Bluetooth	Bluetooth Low Energy (BLE)
Status LEDs	Programmable dual color (OBD, cellular, GPS)
Buzzer	Integrated buzzer for audible alert applications
Sensors	Gyroscope: Triple-axis, tilt, yaw, roll detection Accelerometer: Triple-axis, impact, motion sense

Edge Intelligence[1]

PEG™	Update device functionality or develop new on the edge applications
EdgeApp SDK	Write custom embedded app for edge intelligence
Geo-Fences	32 built-in
Buffered Messages	20,000

OBD Data Extraction

Detection	Automatic detection of vehicle interface services
Extraction	Transmission of standard OBD-II codes, plus manufacturer specific codes which are made available by the embedded OBD firmware stack
Scripts	Download of vehicle specific diagnostic scripts dependent on vehicle model variant

Electrical

Operating Voltage	12-24 VDC Vehicle Systems 9-30 VDC (start-up, operating) 7-32 VDC (momentary)
Power Consumption	Typical 500 uA @ 12V (deep sleep) Typical 2 mA @ 12V (sleep on active network) Typical 70 mA @ 12V (active tracking with GPS and cell enabled)

Battery Pack

Battery Capacity	180 mAH
Battery Technology	Lithium-Ion
Charging Temperature	0° to +45° C
Certifications	IEEE 1725-2011, UL 1624, UN 38.3

Environmental

Temperature	-30° to +60° C (connected to primary power) -10° to +60° C (operating on internal battery) -20° to +25° C ≤ 6 months (long term storage)
Humidity	85% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G, 810F SAEJ1455
ESD	IEC 61000-4-2 (4KV Test)

Physical/Design

Dimensions	1.88" x 2.50" x 1.14" 48 mm x 63.25 mm x 29 mm
Weight	2.54 oz. (72 g)

Connectors/SIM Access

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

Cloud/Software Services[1]

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

Certifications

Industry Certifications	FCC, IC, PTCRB, Applicable Carriers

Product Options

OBD-II extender cable

For full tech specs visit calamp.com

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