LMU2650MB

LTE CAT-M1

Cal/Amp®

Advanced Fleet Tracker and Telematics Device

Dimensions

4.0" x 2.2" x 0.8"
106 mm x 57 mm x 22 mm

Weight

3.4 oz. (97 g)

Powerful Cloud Processing at the Edge

EdgeApp allows you to develop your own proprietary, integrated applications quickly, backed by best-in-class application support.

Hosted app development provides a comprehensive mobile installation and cellular or electrical connection checks.

EdgeCore implementations are seamless and highly distributable, with physical and virtual interfaces easily connecting multiple processor applications.

Vehicle Tracking Technology

Flexible • Precise • Affordable

Flexible Installation

Wired, OBDII, and cigarette lighter power harness options for ready-to-use device setup

Gateway and Tag Ecosystem

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

Driver Monitoring

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

Remote Safety Lockout

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

Battery Assurance

Mitigate interference or power loss with internal backup included battery

Comprehensive Inputs/Outputs

Digital and Analog I/O options, triple-axis accelerometer; vehicle diagnostics available via accessory

LMU-2650 LTE CAT-M1 | Flexible. Precise. Affordable.

Cellular/Network	
Global Variant	
LTE CAT-M1	2100 (B1)/1900 (B2)/1800 (B3)AWS 1700 (B4)/850 (B5/B26)/900 (B8)/700 (B12/B13/ B28)/800 (B18/B19/B20)/1900 (B39/B25) MHz
GSM/GPRS	850/900/1800/1900 MHz

Data Support
SMS, UDP Packet Data, TCP

Satellite Location (GNSS)	
Constellation Support	Hybrid GPS, GLONASS, Beidou, Galileo and QZSS
Channels	55 Channel
Tracking Sensitivity	-163 dBm
Acquisition Sensitivity	-155 dBm (hot start) -148 dBm (cold start)
Location Accuracy	~2.5m CEP Open Sky
Location Update Rate	Up to 5 Hz
AGPS Location Assistance Capable	Yes

Comprehensive I/O	
Ignition Inputs	1 fixed bias
Digital Inputs	4 (high/low bias selectable 0-32 VDC)
Digital Outputs	3 (open collector relay 150mA)
Analog Inputs	2 (external ADC input 0-32 VDC)
Switched VIN Output	1
Accelerometer	Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)
Serial Interface	1 USB, 2 TTL Ports with switched power
1-Wire® Interface	1 (driver ID/temperature sense)
Status LEDs	3 (GPS, Cellular, BLE)

Interface Standards	
Bluetooth	BLE 5.2 Capable

Wireless Interfaces	
BLE Antenna	Internal
Cellular Antenna	Internal

Electrical	
Operating Voltage	12/24 VDC Vehicle Systems 9-30 VDC (start-up, operating) 7-32 VDC (momentary)
Power Consumption	Typical <500uA @ 12V (low power sleep) Typical 25mA @ 12V (radio-active sleep) Typical 50mA @ 12V (GPS tracking and cell idle)

Battery Pack	
Battery Capacity	1100mA
Battery Technology	Lithium Iron Phosphate
Charging Temperature	0° to +45° C

Environmental	
Temperature	-30° to +60° C (connected to primary power) -20° to +60° C (operating on internal battery) -20° to +25° C ≤ 6 months (long term storage with battery)
Humidity	85% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G, 810F, SAE J1455
ESD	IEC 61000-4-2 (4KV test)

Physical/Design	
Dimensions	4.0" x 2.2" x 0.8" 106 mm x 57 mm x 22 mm
Weight	3.4 oz. (97 g)

Connectors/SIM Access	
SIM Access	Internal (2FF SIM)

Edge Intelligence[1]	
PEG™	Update device functionality or develop new on the edge applications

Cloud/Software Services[1]	
CalAmp Telematics Cloud	Device data stream via RESTful APIs
CalAmp Application	Fleet management software

Certifications	
Regulatory & Regional	FCC, IC, CE, PTCRB, RoHS
Carrier	AT&T, Verizon

For full tech specs visit calamp.com

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

Cal/Amp®

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