



LTE CAT M1 · DATA SHEET

LMU-2630MB LTE CAT-M1™

Versatile LTE CAT M1 fleet tracker with advanced telematics intelligence



DIMENSIONS

94 × 53 × 20 mm
(3.70 × 2.09 × 0.79 in)

WEIGHT

80 g
(2.8 oz)

Overview

The LMU-2630MB is a versatile LTE CAT M1 fleet tracker designed for real-time vehicle and asset visibility. Flexible installation, comprehensive I/O, driver monitoring, remote diagnostics, and CalAmp edge intelligence support data-driven fleet operations.

Highlights



LTE CAT M1 connectivity for real-time fleet tracking



Flexible wired, OBDII, and cigarette-lighter installation options



Driver monitoring captures speeding and harsh driving events



Internal backup battery maintains reporting during power loss



Digital and analog I/O support sensors and controls



CalAmp edge intelligence enables configurable event processing

PHYSICAL DESIGN

Dimensions	94 × 53 × 20 mm (3.70 × 2.09 × 0.79 in)
Weight	80 g (2.8 oz)

CELLULAR

LTE CAT M1 Bands	B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B28, B39
2G Bands	B2, B3, B5, B8
Data Support	SMS, UDP Packet Data, TCP

GNSS

Constellation Support	GPS, GLONASS, SBAS (WAAS, EGNOS, MSAS)
GNSS Channels	55 Channel
Tracking Sensitivity	-163 dBm
Acquisition Sensitivity	-155 dBm (hot start) -148 dBm (cold start)
Location Accuracy	~2.0m CEP Open Sky (SBAS 24 hours static)
Location Update Rate	Up to 4 Hz
A-GPS Assistance	Yes

WIRELESS INTERFACES

Bluetooth	BLE 4.2
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VEHICLE BUS

Serial Interface	TTL
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ANTENNAS & SIM

Cellular Antenna	Internal
GPS Antenna	Internal
SIM Access	Internal (2FF SIM)

POWER

Operating Voltage	12/24 VDC Vehicle Systems 9-30 VDC (start-up, operating) 7-32 VDC (momentary)
Power Consumption	Typical <400uA @ 12V (low power sleep) Typical <4mA @ 12V (sleep) Typical 25mA @ 12V (radio-active sleep) Typical 50mA @ 12V (GPS tracking and cell idle)
Battery Capacity	Up to 1000 mAh
Battery Technology	Lithium-ion (Li-ion)
Charging Temperature	0° to +45° C

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 with battery)
Humidity	85% RH @ 50° C non-condensing
Shock & Vibration	MIL-STD-202G, MIL-STD-810F, SAE J1455
ESD	IEC 61000-4-2, 4 kV
Environmental Rating	IP41 in-cab use

SENSORS

Motion Sensor	3-axis accelerometer
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I/O

Power / I/O Connector	20-Pin 3mm Pitch
Ignition Inputs	1 fixed bias
Digital Inputs	4 (high/low bias selectable 0-32 VDC)
Digital Outputs	3 (open collector relay 150mA)
Analog Inputs	1 (external ADC input 0-32 VDC)
Serial Interface	2 TTL ports
DC Power Outputs	1 (switched 3.3V)
1-Wire Interface	1 (driver ID/temperature sense)
Status LEDs	2 (GPS and Cellular)

EDGE INTELLIGENCE

Firmware	32-Bit
Edge Programming	PEG

CLOUD / 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
CalAmp App	Fleet and asset management software for tracking, monitoring, and managing vehicles, equipment, drivers, assets, and cargo.

CERTIFICATIONS

Certifications	FCC, CE, IC, PTCRB, RoHS
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ACCESSORIES

Accessories	• 5C260 : 6 feet, 20-pin to 1-Bit Bus (2-pin), Go to CalAmp.com for full accessories.
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