

LTE CAT M1 · DATA SHEET

LMU-2630MB LTE CAT M1, 12- Wire Sealed™

Rugged sealed LTE CAT M1 fleet tracker with 12-wire harness



DIMENSIONS

77.8 × 113 × 22 mm
(3.06 × 4.45 × 0.87 in)

WEIGHT

193 g
(6.8 oz)

Overview

The LMU-2630MB Sealed is built for demanding fleet environments with LTE CAT M1 connectivity and an integrated 12-wire sealed harness. Comprehensive I/O, a backup battery, motion sensing, and CalAmp edge intelligence support reliable tracking, diagnostics, and asset control.

Highlights



LTE CAT M1 connectivity for fleet and asset visibility



Sealed 12-wire harness supports rugged installations



Digital and analog I/O connect sensors and controls



Internal backup battery supports power-loss reporting



Triple-axis motion sensing enables driver and impact events



CalAmp edge intelligence supports configurable device behavior

PHYSICAL DESIGN

Dimensions	77.8 × 113 × 22 mm (3.06 × 4.45 × 0.87 in)
Weight	193 g (6.8 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	-167 dBm
Acquisition Sensitivity	-156 dBm (hot start) -148 dBm (cold start)
Location Accuracy	~2.0m CEP Open Sky (GPS SBAS 24 hours static)
Location Update Rate	Up to 4 Hz
A-GPS Assistance	Yes

WIRELESS INTERFACES

Bluetooth	BLE 5.0
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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	IP67

SENSORS

Motion Sensor	3-axis accelerometer
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I/O

Power / I/O Connector	12 Wire Captive Harness
Ignition Inputs	1 fixed bias
Digital Inputs	2 (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	1 TTL Port
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, IC, CE, PTCRB, BT SIG, RoHS, ASEP, ANATEL, CITC, GITEKI, INDOTEL, NBTC, NTC, RCM, SASO, SIT, VNTA
Carrier Approvals	AT&T, Sprint, Verizon