

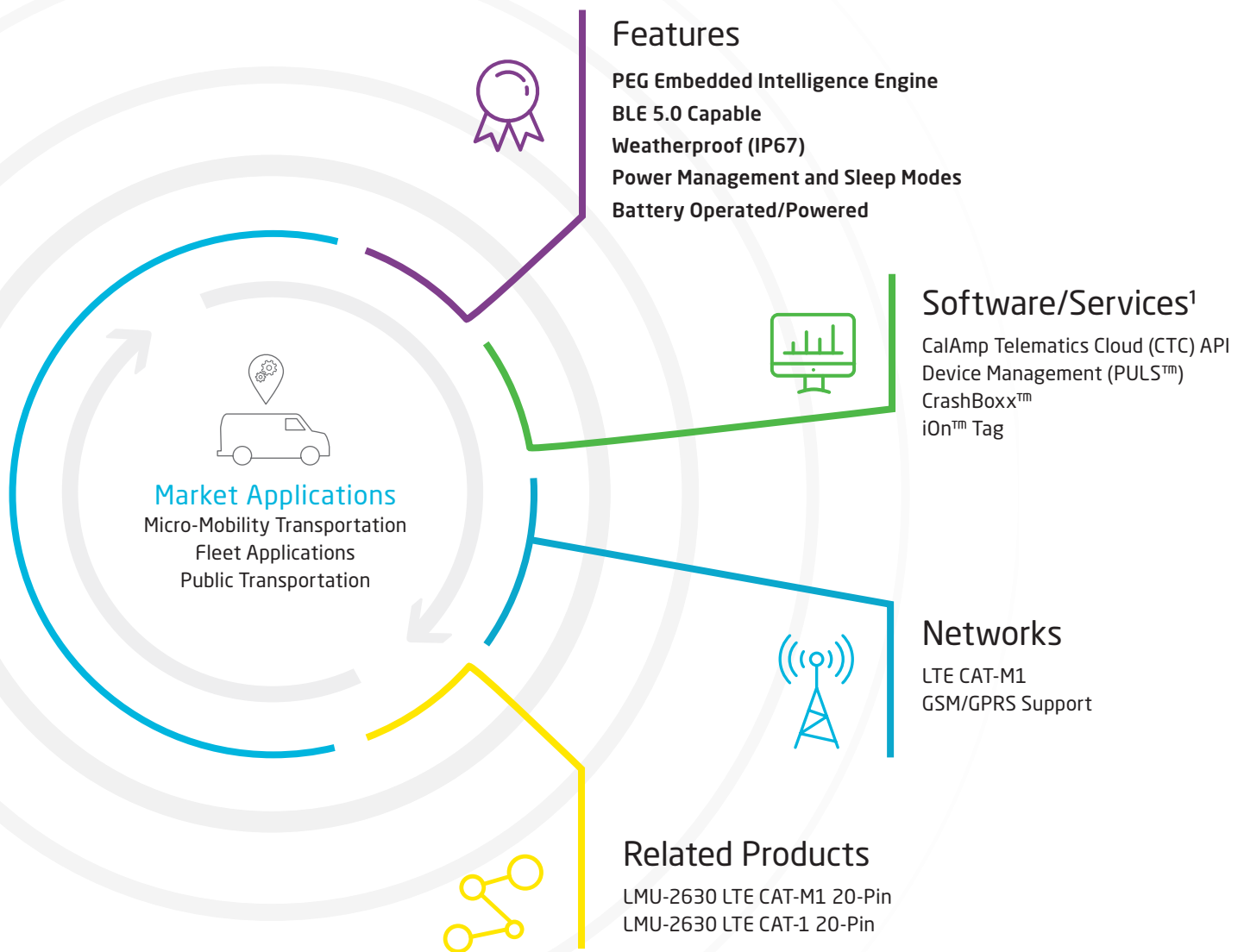
# LMU-2630™

LTE CAT-M1 | 12-Wire Sealed



## Leading Edge Fleet Tracker for Advanced Fleet Management with Extensive Capabilities

The LMU-2630™ LTE CAT-M1 12-Wire is a fleet tracking device incorporating a powerful processing engine, bluetooth low energy (BLE) 5.0 capability, and built-in triple-axis accelerometer for measuring driver behavior and vehicle impact. The weatherproof and reliable design incorporates a rechargeable battery pack, suited best for rugged applications.



L2630MB12Q221DS V10-B

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<sup>1</sup> Subscription service enabled. Contact sales rep for additional details.

# Cal/Amp®

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# LMU-2630™ LTE CAT-M1 | 12-Wire Sealed Technical Specifications

## 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, SBAS Engine (WAAS, EGNOS, MSAS)
Channels	55 Channel
Tracking Sensitivity	-167 dBm
Acquisition Sensitivity	-156 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
AGPS Location assistance capable	

## Comprehensive I/O

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)
Accelerometer	Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)
Serial Interface	1 TTL Port
1-Wire® Interface	1 (driver ID/temperature sense)
Status LEDs	2 (GPS and Cellular)

## Interface Standards

Bluetooth	BLE 5.0 Capable
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## Wireless Interfaces

BLE Antenna	Internal
Cellular Antenna	Internal
GPS Antenna	Internal

\* PEG Configuration Options

+ IP Certified if CalAmp Assembled

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## Electrical

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 Pack

Battery Capacity	Up to 1000 mAh (Optional)
Battery Technology	Lithium-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 and Vibration	U.S. Military Standards 202G, 810F, SAE J1455
ESD	IEC 61000-4-2 (4KV test)
Ingress Protection Rating <sup>+</sup>	IP67

## Physical/Design

Dimensions	3.06 x 4.45 x 0.87" (77.8 x 113 x 22mm)
Weight	6.8 oz. (193g)

## Connectors/SIM Access

Power, I/O	12 Wire Captive Harness
SIM Access	Internal (2FF SIM)

## Edge Intelligence<sup>1</sup>

PEG	Update device functionality or develop new on the edge applications
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## Cloud/Software Services<sup>1</sup>

PULS	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
CTC	Device data stream via RESTful APIs

## Certifications

Regulatory & Regional	FCC, IC, CE, PTCRB, BT SIG, RoHS, ASEP, ANATEL, CITC, GITEKI, INDOTEL, NBTC, NTC, RCM, SASO, SIT, VNTA
Carrier	AT&T, Sprint, Verizon

## CALIFORNIA PROPOSITION 65



### WARNING:

This product can expose you to chemicals including Carbon black and Nickel, which are known to the State of California to cause cancer, and including Bisphenol A and 1,3-Butadiene, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)