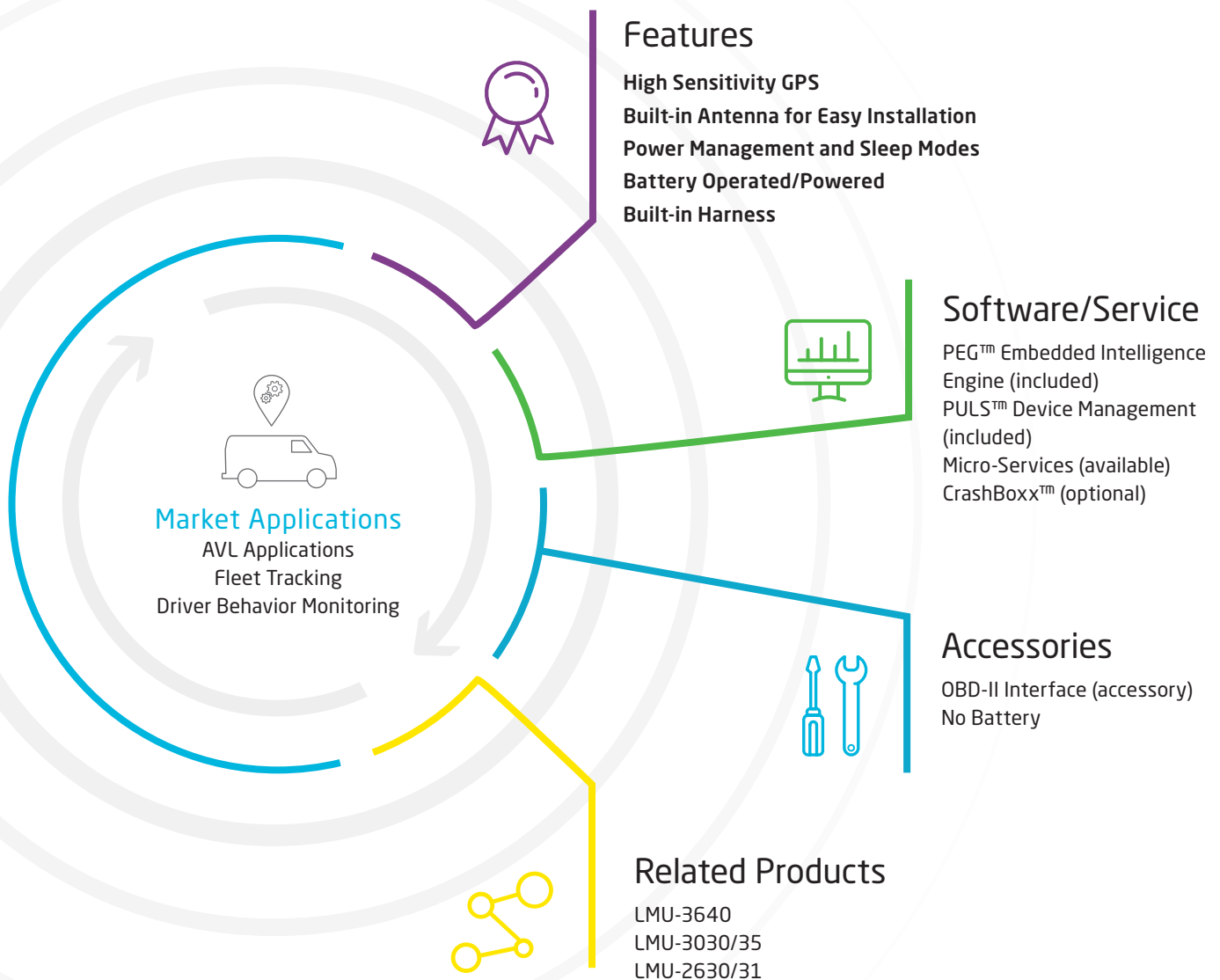


# LMU-2640™



## A Robust, Affordable Fleet Tracker for Fleet Management with Essential Capabilities

The LMU-2640™ is a fleet tracking device incorporating a powerful processing engine, economical GSM/GPRS network connectivity and built-in triple-axis accelerometer for measuring driver behavior and vehicle impact.



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L2640Q319DS V2

Cal/Amp®

CalAmp  
15635 Alton Pkwy Ste 250  
Irvine, CA 92618  
888.3CALAMP  
calamp.com

# LMU-2640™ Technical Specifications

## Cellular/Network

### Global Variant

GSM/GPRS 850/900/1800/1900 MHz

## Data Support

SMS, UDP Packet Data, CalAmp Telematics Cloud API

## Satellite Location (GNSS)

Constellation Support Hybrid GPS, SBAS Engine (WAAS, EGNOS, MSAS, GAGAN)

Channels 56 Channel

Tracking Sensitivity -160 dBm

Acquisition Sensitivity -156 dBm (hot start)

-148 dBm (cold start)

Location Accuracy ~2.5m CEP Open Sky (GPS SBAS 24 hours static)

Location Update Rate Up to 4 Hz

AGPS Location assistance capable

## Comprehensive I/O

Digital Inputs 5 (1 fixed bias low, 4 programmable bias)

Digital Outputs 3 relay driver outputs (200mA)

Analog Inputs 2 (1 interval VCC monitor, 1 external A/D input)

Accelerometer Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)

Serial Interface 2 power TTL ports

1-Wire® Interface 1 (driver ID/temperature sense)

Status LEDs 2 (GPS, cellular)

## Certifications

Industry Certifications FCC, CE, IC, PTCRB, RoHS

## Device Management

PULS™ Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely

## Embedded Intelligence Engine

PEG™ Update device functionality or develop new on the edge applications

## Electrical

Operating Voltage 12/24 VDC Vehicle Systems  
9-30 VDC (start-up, operating)  
6-32 VDC (momentary)

Power Consumption Typical <2mA @ 12V (deep sleep)  
Typical 20mA @ 12V (radio-active)  
Typical 150mA @ 12V (continuous transmit)

## Battery Pack

Battery Capacity Up to 1000 mAh

Battery Technology Lithium-Ion

## Environmental

Temperature -20° to +60° C (connected to primary power)  
-40° to +85° C (storage)

Humidity 95% RH @ 50° C non-condensing

Shock and Vibration U.S. Military Standards 202G, 810F, SAE J1455

EMC/EMI SAE J1113, Industry Canada

## Physical/Design

Dimensions 1.8 x 2.1 x 0.8" (46.5 x 83.3 x 19.2mm)

Weight 3.9 oz. (110g)

## Connectors/SIM Access

Power, I/O 20-Pin standard connector

GPS Antenna Internal/External options (w/ tamper monitoring on external, 3V)

Cellular Antenna Internal/External options

SIM Access Internal (2FF SIM)

## Product Options

Captive 2, 6 or 10-wire harness

200 mAh backup battery

## 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)