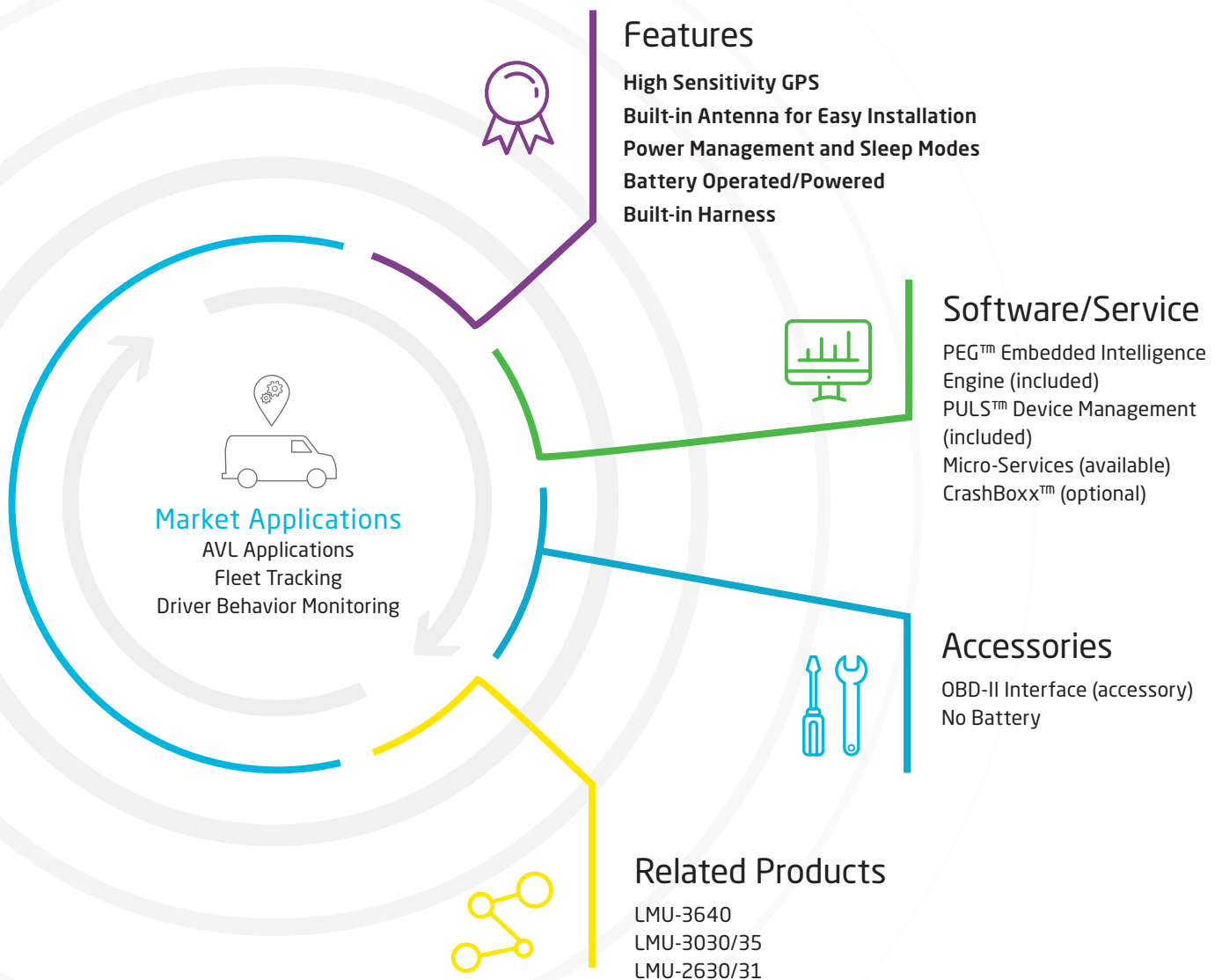


# LMU-2640™



## 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.



# 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)