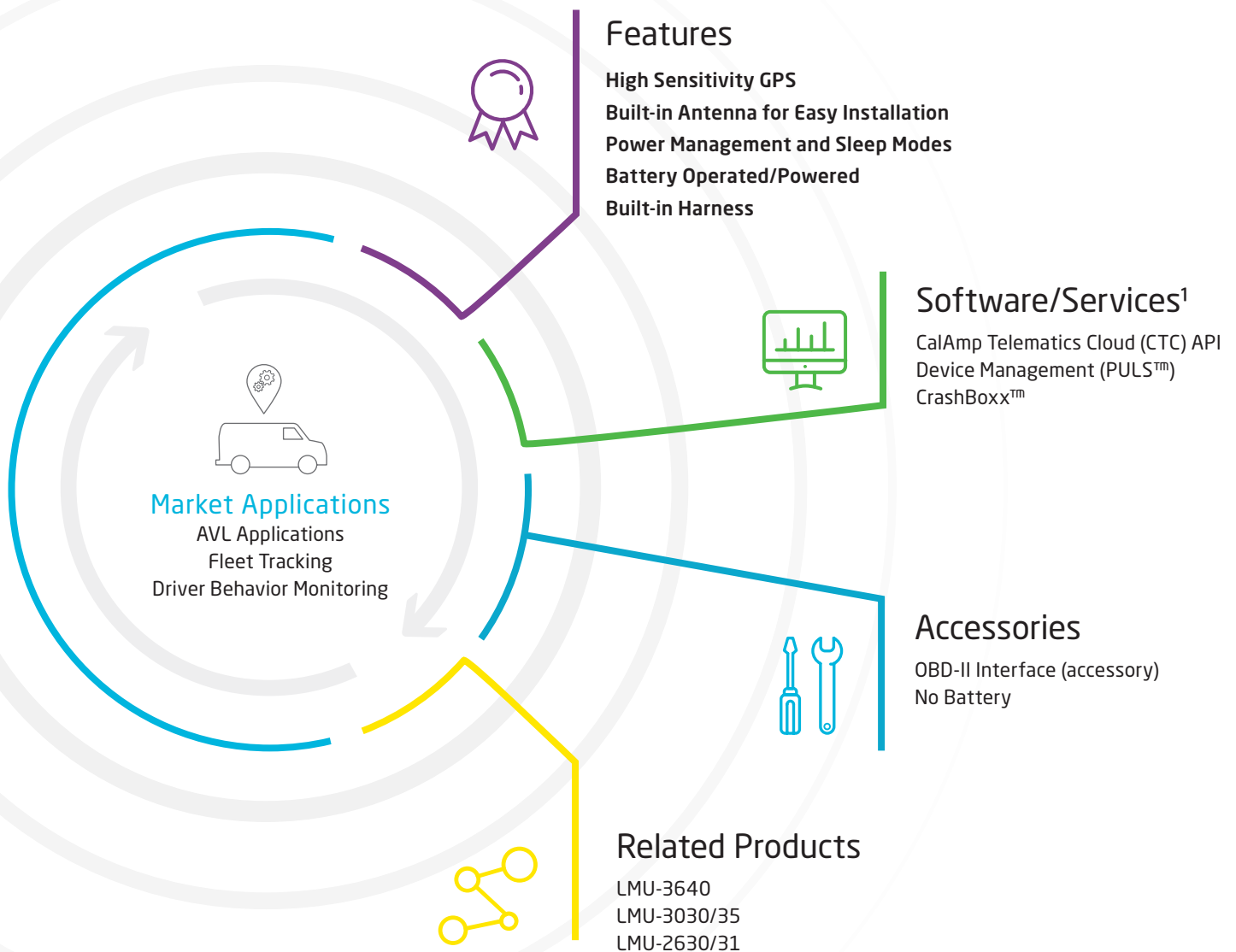


LMU-2640™



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.



L2640Q319DS V2
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¹ Subscription service enabled. Contact sales rep for additional details.

Cal/Amp®

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LMU-2640™ Technical Specifications

Cellular/Network

Global Variant

GSM/GPRS 850/900/1800/1900 MHz

Data Support

SMS, UDP Packet Data

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

Cloud/Software Services¹

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

CTC Device data stream via RESTful APIs

Edge Intelligence¹

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 85% 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

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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