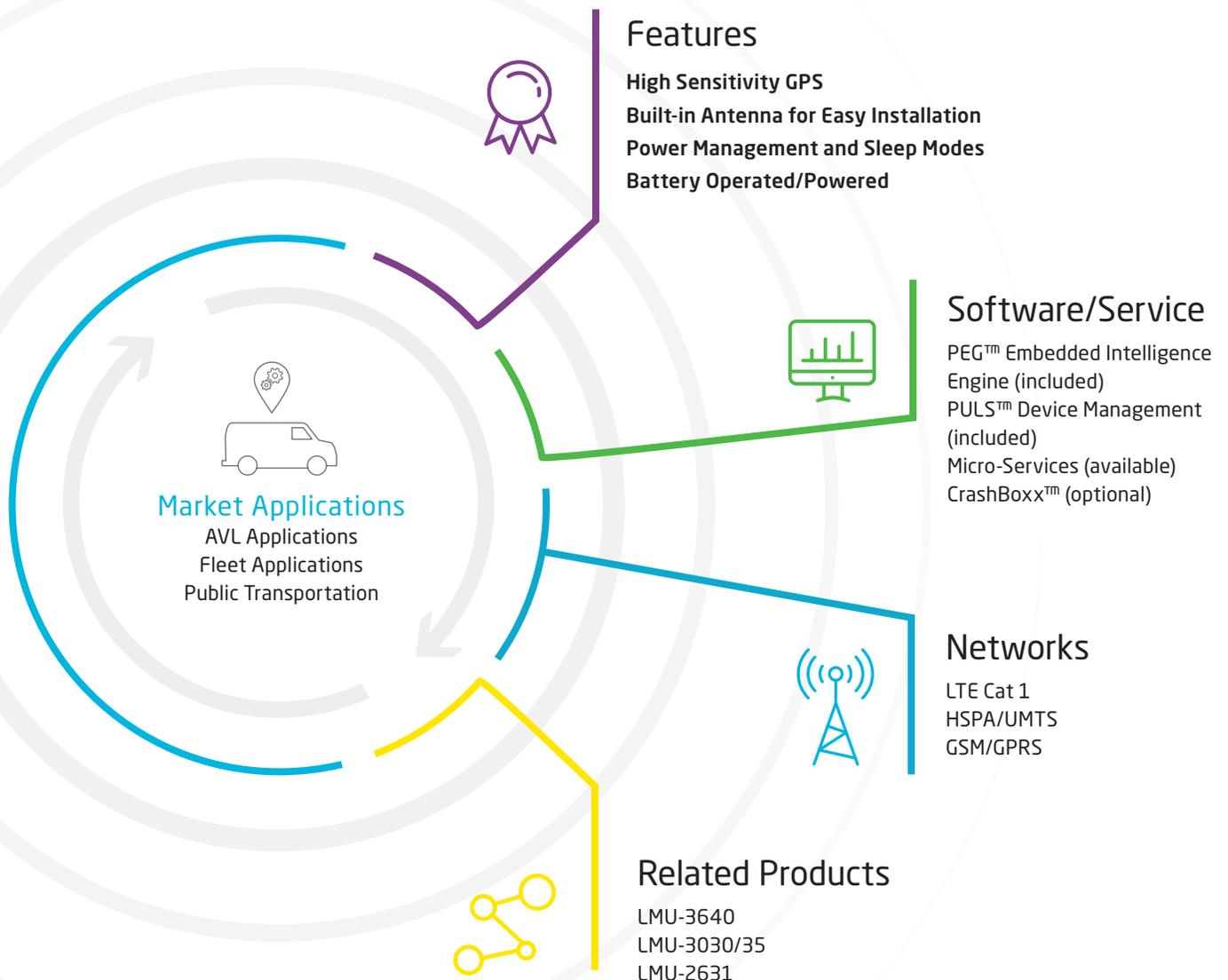


LMU-2630™



Leading Edge Fleet Tracker for Advanced Fleet Management with Extensive Capabilities

The LMU-2630™ is a fleet tracking device incorporating a powerful processing engine, LTE Cat 1 connectivity and built-in triple-axis accelerometer for measuring driver behavior and vehicle impact. Best suited for AVL and fleet applications.



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L2630Q319DS V2-B

Cal/Amp®

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LMU-2630™ Technical Specifications

Cellular/Network

North American Variant I
LTE Cat 1 1900 (B2)/AWS 1700 (B4)/850 (B5)/700 (B12) MHz
HSPA/UMTS 850 (V)/1900 (II) MHz

North American Variant II
LTE Cat 1 AWS 1700 (B4)/700 (B13) MHz

Americas, EU, APAC Variant
HSPA/UMTS 850 (V)/1900 (II)/2100 (I) MHz
GSM/GPRS 850/900/1800/1900 MHz

Americas Variant
HSPA/UMTS 850 (V)/1900 (II) MHz
GSM/GPRS 900/1800 MHz

Global Variant
GSM/GPRS 850/900/1800/1900 MHz

Data Support

SMS, UDP Packet Data, TCP, CalAmp Telematics Cloud API

Satellite Location (GNSS)

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

Channels 31 Channel

Tracking Sensitivity -162 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

AGPS Location assistance capable

Comprehensive I/O

Ignition Inputs 1 fixed bias

Digital Inputs 4 (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 2 TTL ports

DC Power Output 1 (switched 3.3V)

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

Status LEDs 2 (GPS and cellular)

Certifications

Industry Certifications FCC, IC, PTCRB, RoHS

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

Electrical

Operating Voltage 12/24 VDC Vehicle Systems
9-30 VDC (start-up, operating)
7-32 VDC (momentary)

Power Consumption Typical <3mA @ 12V (deep sleep)
Typical 25mA @ 12 V (radio-active sleep)
Typical 50mA @ 12 V (GPS tracking and cell idle)

Battery Pack

Battery Capacity Up to 1000 mAh

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 95% RH @ 50° C non-condensing

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

ESD IEC 61000-4-2 (4KV test)

Physical/Design

Dimensions 3.7 x 2.0 x 0.8" (94 x 53 x 20 mm)

Weight 2.8 oz. (80 g) (w/ 1000 mAh Battery)

Connectors/SIM Access

Power, I/O 20-Pin 3mm Pitch

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

Cellular Antenna Internal/External options

SIM Access Internal (2FF SIM)

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

Product Options

I/O wiring harness

200 mAh battery

IP66 enclosure (captive harness)