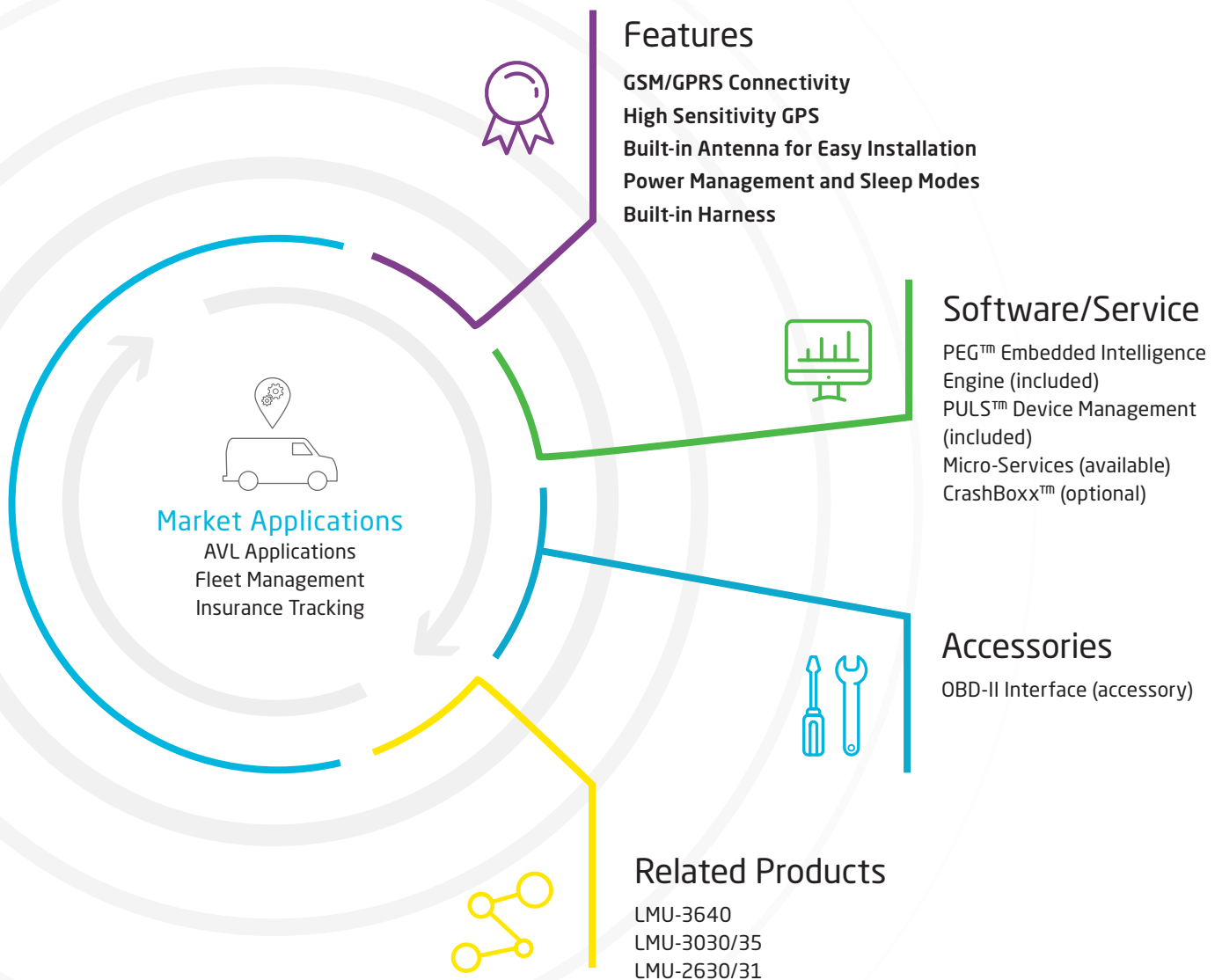


LMU-2130™



Value Driven Fleet Tracker for Fleet Management with Essential Capabilities

The LMU-2130™ is a robust, affordable insurance telematics device used in a wide range of applications. Economical GSM/GPRS connectivity coupled with a powerful processing engine and a 3-axis accelerometer offers the high reliability fleet customers demand.



LMU-2130™ 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, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS, GAGAN)
Channels	56 Channel
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-148 dBm
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

Digital Inputs	3 (1 fixed bias low, 2 programmable bias)
Digital Outputs	3 relay driver outputs (200mA)
Serial Interface	1 TTL serial port
Status LEDs	2 (GPS and 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 7-32 VDC (momentary) 9-30 VDC (startup, operating)
Power Consumption	Typical <3mA @ 12V (deep sleep) Typical <10 mA @ 12V (sleep on network w/ SMS) Typical <20mA @ 12V (sleep on network w/ GPRS) Typical <70mA @ 12V (active tracking)

Battery Pack

Battery Capacity	Up to 1000 mAh
Battery Technology	Lithium-Ion

Environmental

Temperature	-30° to +75° C (operating) tethered -40° to +85° C (storage)
Humidity	95% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standard 202G and 801G, SAE J1455
ESD	SAE J1113, Industry Canada

Physical/Design

Dimensions	2.1 x 3.5 x 0.9" (54 x 89 x 24 mm)
Weight	2.9 oz. (82 g)

Connectors/SIM Access

Connection Type	Captive 2, 4, 6, 8, or 10 wire power harness
GPS Antenna	Internal/External options (w/ tamper monitoring on external, 3V)
Cellular Antenna	Internal/External options
SIM Access	Internal (2FF SIM)

Product Options

Driver ID with 1-Wire® protocol
Temperature sensing via 1-Wire® protocol
200 mAh back up battery
External or internal GPS and cellular antennas
NMEA data via serial
Serial cables

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