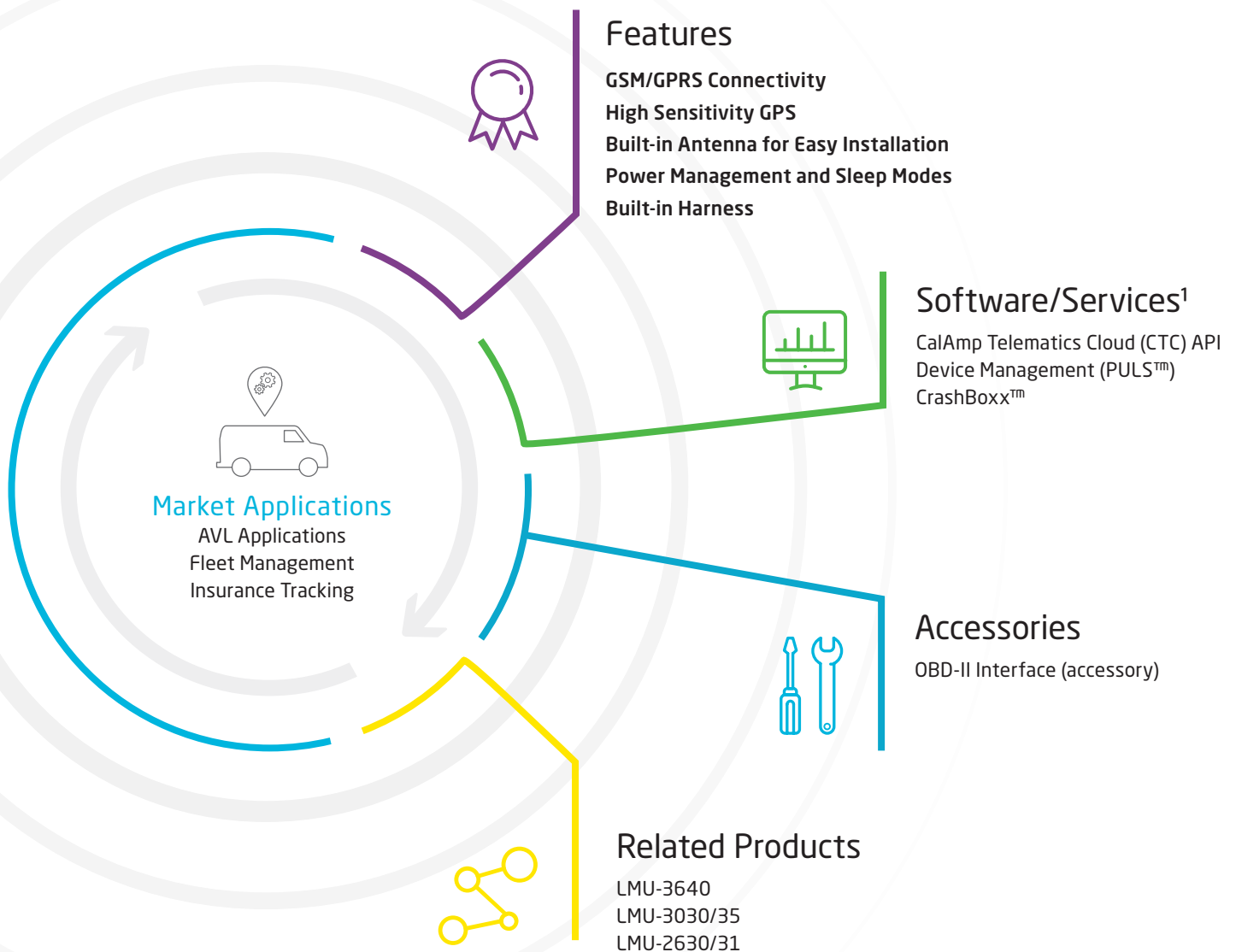


LMU-2130™



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.



L2130Q319DS V2
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¹ Subscription service enabled. Contact sales rep for additional details.

Cal/Amp®

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LMU-2130™ 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, GLONASS, SBAS Engine (w/AAS, 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

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 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	85% 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

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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