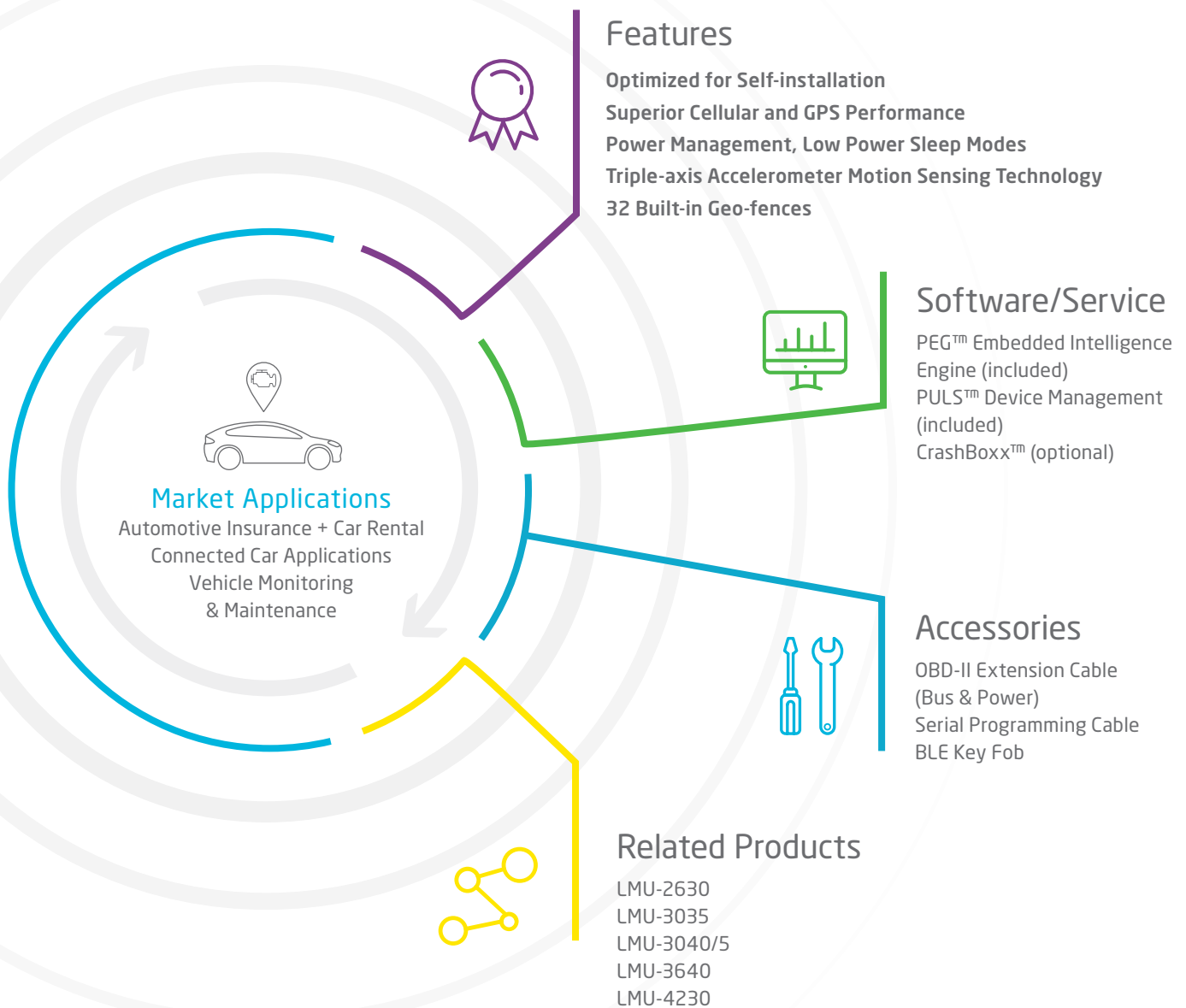


LMU-3030™



A Versatile OBD-II Telematics Device for the Connected Car Market

The LMU-3030™ is an easy-to-install, flexible OBD telematics device designed to meet the needs of the growing connected car economy. It is an ideal solution for passenger or light-duty vehicle applications where access to the vehicle diagnostics interface (OBD-II) is essential for monitoring vehicle health and driver behavior.



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L3030Q319DS V2

Cal/Amp®

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LMU-3030™ Technical Specifications

Cellular/Network

Americas Variant	
HSPA/UMTS	850 (V)/1900 (II) MHz
GSM/GPRS	850/1900 MHz
Global Variant I	
HSPA/UMTS	800 (VI)/850 (V)/900 (VIII)/1900 (II)/2100 (I) MHz
GSM/GPRS	850/900/1800/1900 MHz
Global Variant II	
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, GAGAN)
Channels	50 Channel
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-148 dBm (cold start)
Location Accuracy	~2.0m CEP Open Sky (GPS SBAS 24 hours static)
Location Update Rate	Up to 4 Hz
Geo-Fence	32 PEG-Zones (rectangular/circular) 1024 Geo-Zones (polygon/circular - 5400)
AGPS Location assistance capable	

Comprehensive I/O

Accelerometer	Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)
Status LEDs	3 (OBD, GPS, cellular)
Serial Interface	2-wire TTL serial interface (optional fit)

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	9-16 VDC Vehicle Systems 9-30 VDC (start-up, operating) 7-32 VDC (momentary)
Power Consumption	Typical 4.9mA @ 13V (deep sleep) Typical 83mA @ 13V (normal operation) Typical 66mA @ 13V (SMS, UDP connection, GPS off) Typical 114mA @ 13V (continuous transmit)

Environmental

Temperature	-30° to +75° C (connected to primary power) -40° to +85° C (storage)
Humidity	95% RH @ 50° C non-condensing
Shock and Vibration	SAEJ1455
ESD	CE, GCF, eMark

Physical/Design

Dimensions	1.5 x 2.5 x 0.98" (43 x 64 x 25 mm)
Weight	1.83 oz. (52 g) (w/ battery)
Enclosure	Rugged textured plastic

Interface Standards

Bluetooth	Bluetooth 4.0 Dual Mode (optional fit)
OBD-II Interface	J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230, KWP 2000, ISO-15765 CAN

OBD Data Extraction

Detection	Automatic detection of vehicle interface services
Extraction	Transmission of standard OBD-II codes, plus manufacturer specific codes which are made available by the embedded OBD firmware stack
Scripts	Download of vehicle specific diagnostic scripts dependent on vehicle model variant

Mounting

Via built-in OBD-II connector
Self-adhesive mounting with OBD-II extender cable

Product Options

Customized hardware and software development