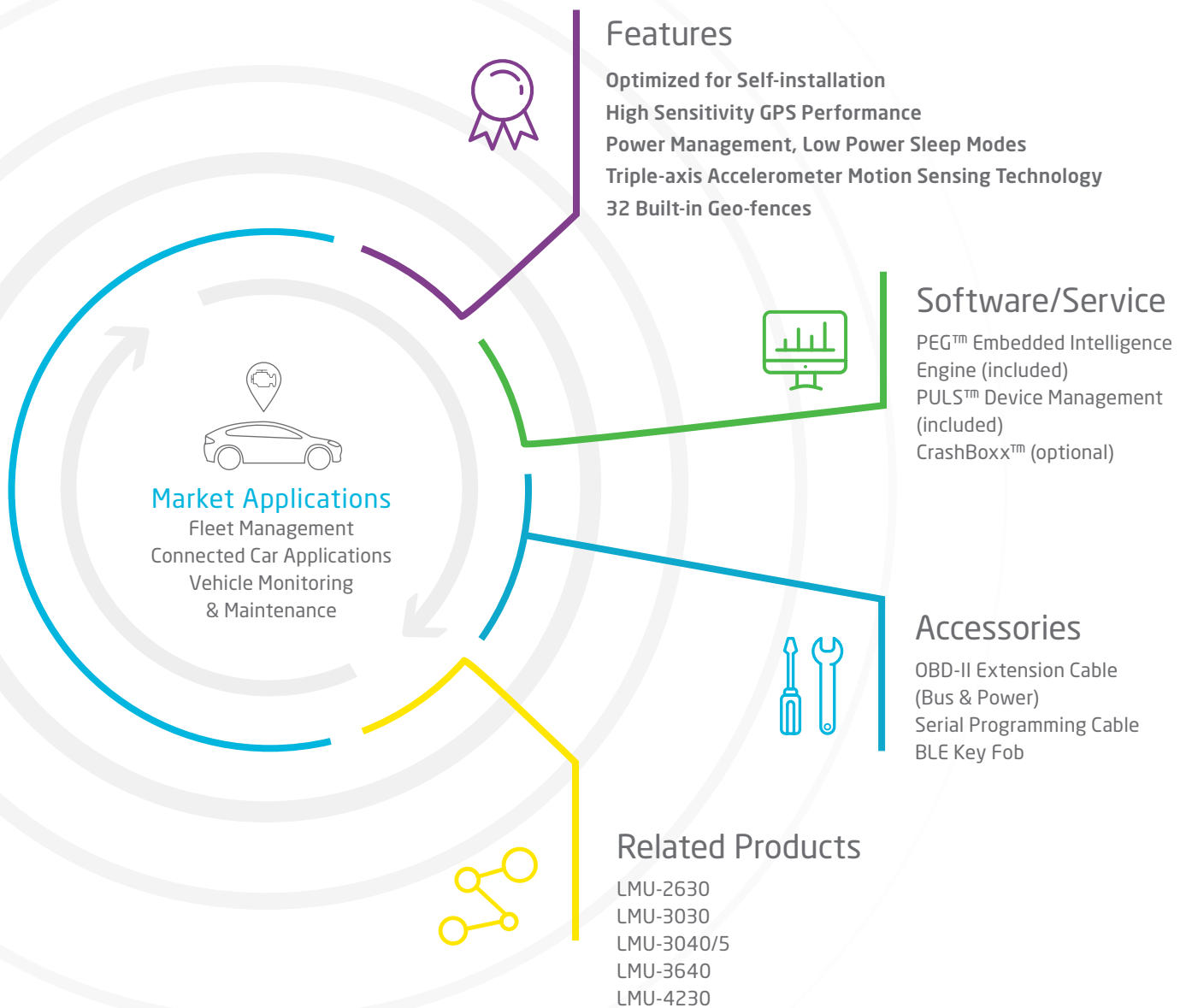


LMU-3035™



The Feature-Rich and Versatile OBD-II Telematics Device Built for Fleet Applications

The LMU-3035™ is an easy-to-install, full featured OBD telematics device designed to meet the needs of fleet applications where access to the vehicle diagnostics interface (OBD-II) is necessary for evaluating vehicle health and driver management. To measure speed parameter data, the LMU-3035 uses GPS to monitor speed triggers and thresholds.



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L3035Q319DS V2

Cal/Amp®

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LMU-3035™ Technical Specifications

Cellular/Network

Americas Variant	
HSPA/UMTS	850 (V)/1900 (II) MHz
GSM/GPRS	850/1900 MHz
Global Variant	
HSPA/UMTS	800 (VI)/850 (V)/900 (VIII)/1900 (II)/2100 (I) MHz
GSM/GPRS	850/900/1800/1900 MHz

Data Support

SMS, UDP Packet Data, TCP, IP, 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
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

Accelerometer	Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)
Outputs	None
Status LEDs	3 (OBD, GPS, cellular)
Serial Interface	2-wire TTL serial interface (optional fit)

Certifications

Industry Certifications	FCC, CE, IC, PTCRB, RoHS
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Device Management

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

PEG™	Update device functionality or develop new on the edge applications
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Electrical

Operating Voltage	9-16 VDC Vehicle Systems
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)
Enclosure	Rugged textured plastic

Connectors/SIM Access

Connector Type	J1962 compliant connector Built-in OBD-II/EOBD-II interface
SIM Access	Internal (2FF SIM)

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

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
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