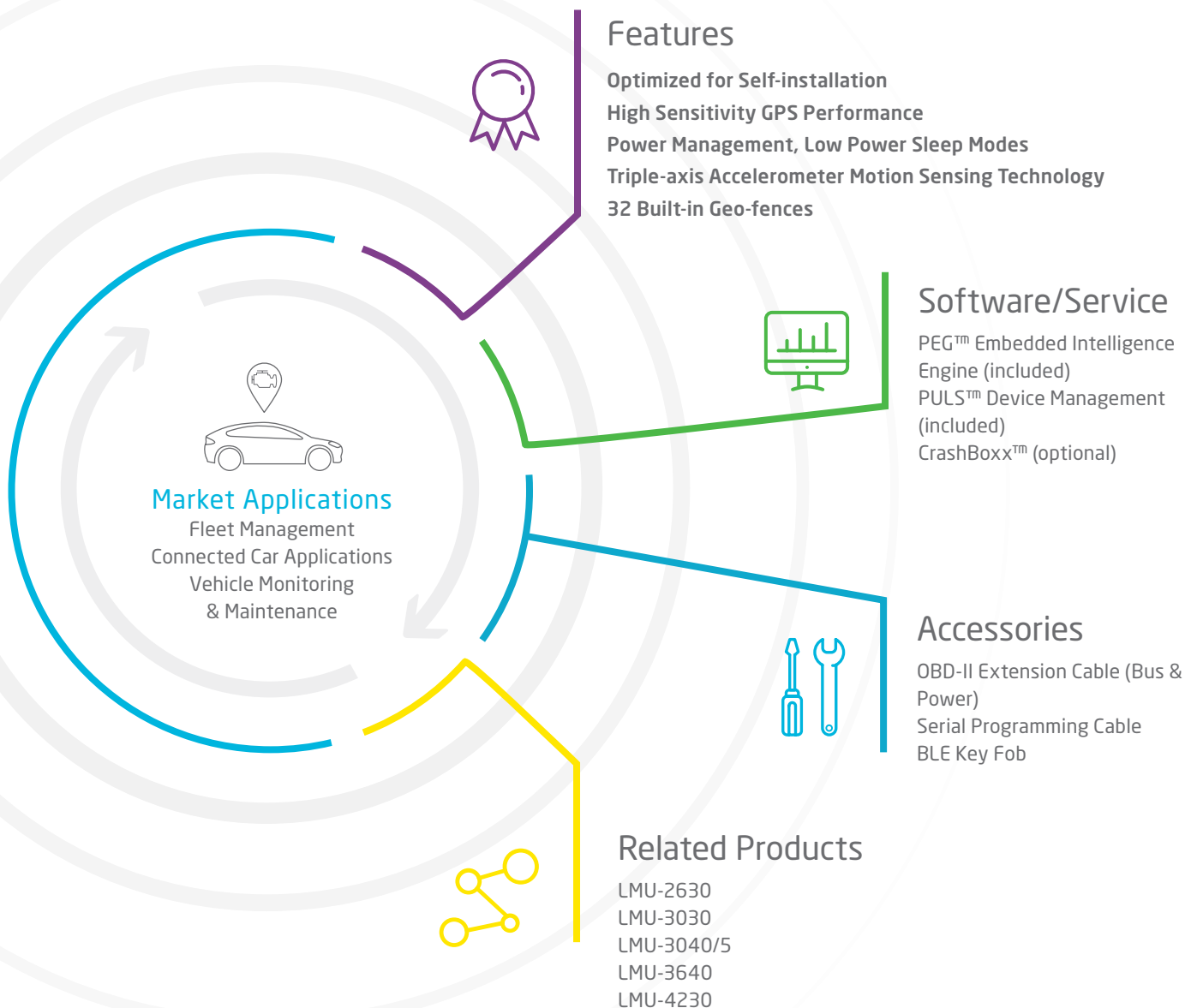


# LMU-3035™



## 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 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.



# LMU-3035™ Technical Specifications

## Cellular/Network

HSPA/UMTS	900 (VIII)/800(VI)/850(V)/1700(IV)/1900(III)/2100(I) MHz
GSM/GPRS	850/900/1800/1900 MHz
HSPA Data Rates	5.76 Mbps upload/7.2 Mbps download
HSPA Fallback	EDGE/GPRS/GSM quad band

## 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
-------------------------	--------------------------

## 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
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/E/OBD-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

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
--