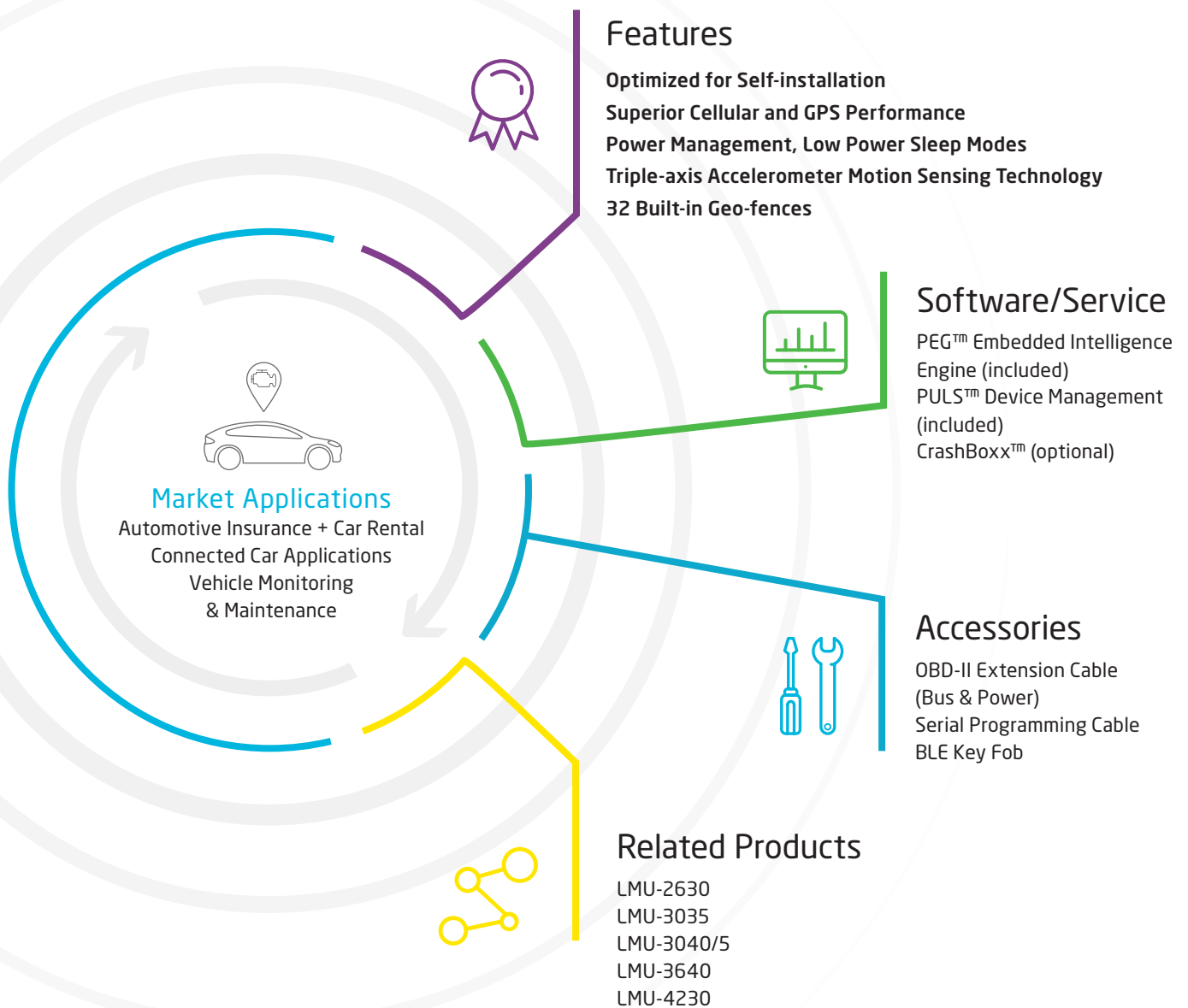


LMU-3030™



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.



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

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