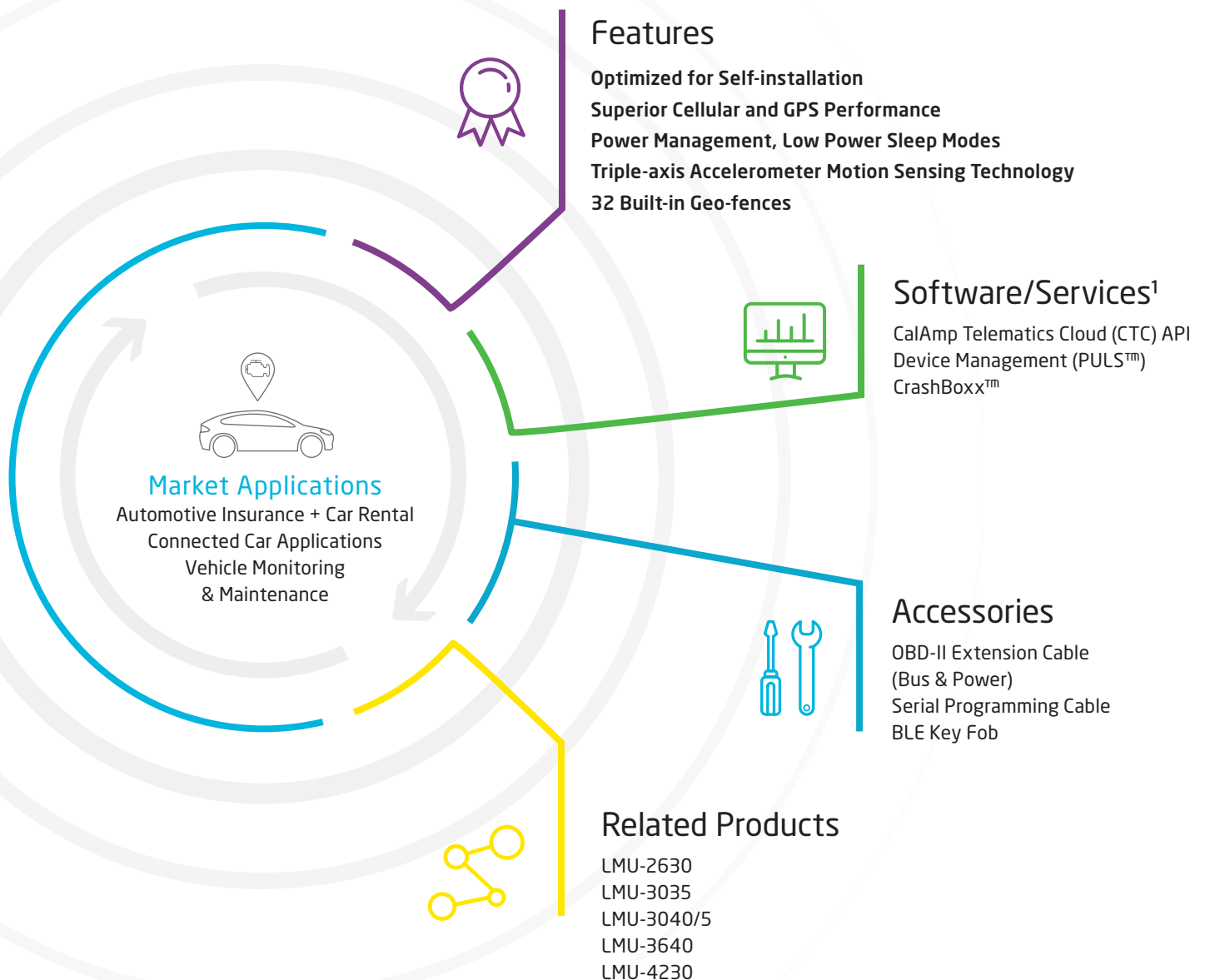# LMU-3030™

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.

Features

Optimized for Self-installation
Superior Cellular and GPS Performance
Power Management, Low Power Sleep Modes
Triple-axis Accelerometer Motion Sensing Technology
32 Built-in Geo-fences

Software/Services[1]

CalAmp Telematics Cloud (CTC) API
Device Management (PULS™)
CrashBoxx™

Market Applications

Automotive Insurance + Car Rental
Connected Car Applications
Vehicle Monitoring
& Maintenance

Accessories

OBD-II Extension Cable
(Bus & Power)
Serial Programming Cable
BLE Key Fob

Related Products

LMU-2630
LMU-3035
LMU-3040/5
LMU-3640
LMU-4230

Cal/Amp®

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

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

Cloud/Software Services[1]

PULS™	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
CTC	Device data stream via RESTful APIs

Edge Intelligence[1]

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	1.85 x 2.63 x 1.18" (47 x 67 x 30mm)
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

[1] Subscription service enabled. Contact sales rep for additional details.