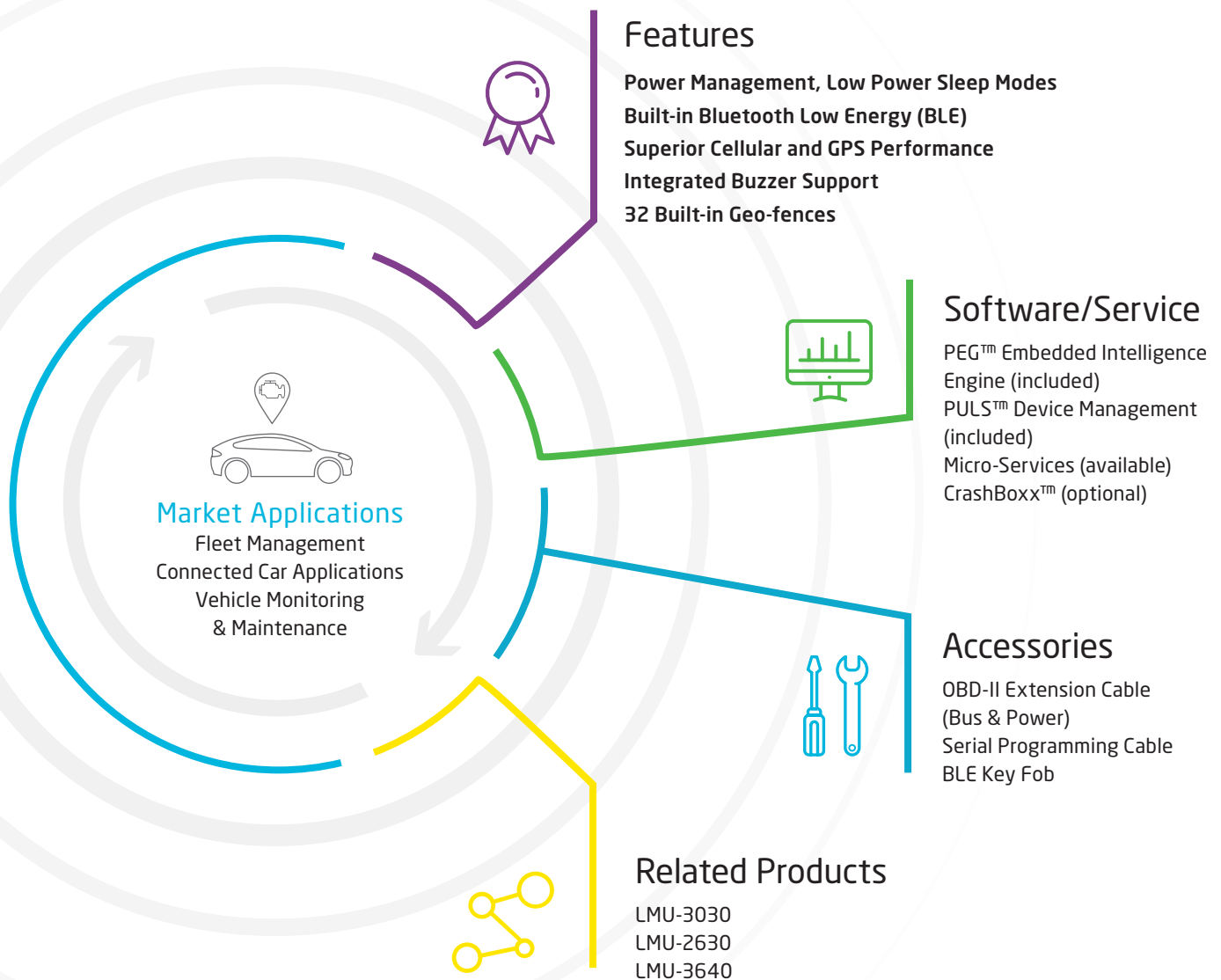


LMU-3035™ LTE



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

The LMU-3035™ LTE is a full featured vehicle tracking product designed for easy and reliable installation in automobiles. It is ideal for automotive insurance, driver behavior management, auto rental and automotive applications where access to the vehicle diagnostics interface (OBD-II) is required in passenger or light-duty vehicles.



LMU-3035™ LTE Technical Specifications

Cellular/Network

North American Variant I
LTE Cat 1 1900 (B2)/AWS 1700 (B4)/700 (B12) MHz

North American Variant II
LTE Cat 1 AWS 1700 (B4)/700 (B13) MHz

Data Support

SMS, UDP Packet Data, TCP, CalAmp Telematics Cloud API

Satellite Location (GNSS)

Constellation Support GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS, GAGAN)

Channels 55 Channel

Tracking Sensitivity -167 dBm

Acquisition Sensitivity -157 dBm (hot start)
-148 dBm (cold start)

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

OBD-II Interface J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230 (KWP 2000),
SW-CAN, ISO-15765 CAN

Serial Port 2-wire TTL serial interface

Bluetooth Bluetooth Low Energy (BLE)

Status LEDs 3 (OBD, GPS, cellular)

Integrated Buzzer Programmable audible alert

Accelerometer Built in, triple-axis (driver behavior, impact detection, motion
sensing, tilt detection)

Certifications

Industry Certifications FCC, IC, CE, 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

Geo-Fences 32 built-in

Buffered Messages 2000

Electrical

Operating Voltage 12/24 VDC Vehicle Systems
9-30 VDC (start-up, operating)
7-32 VDC (momentary)

Power Consumption Typical 2mA @ 12 V (deep sleep)
Typical 40mA @ 12 V (active tracking w/ GPS and cell enabled)

Battery Pack

Battery Capacity 180 mAh

Battery Technology Lithium-Ion

Charging Temperature 0° to +45° C

Environmental

Temperature -30° to +60° C (connected to primary power)
-20° to +60° C (operating on battery)
-20° to +25° C ≤ 6 months (long term storage with battery)

Humidity 95% RH @ 50° C non-condensing

Shock and Vibration U.S. Military Standards 202G, 810F; SAEJ1455

ESD IEC 61000-4-2 (4KV Test)

Physical/Design

Dimensions 1.8 x 2.6 x 1.1" (46 x 67 x 28 mm)

Weight 1.75 oz (50 g)

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

Connectors/SIM Access

GPS Antenna Internal

Cellular Antenna Internal

SIM Access Internal (2FF SIM)

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