

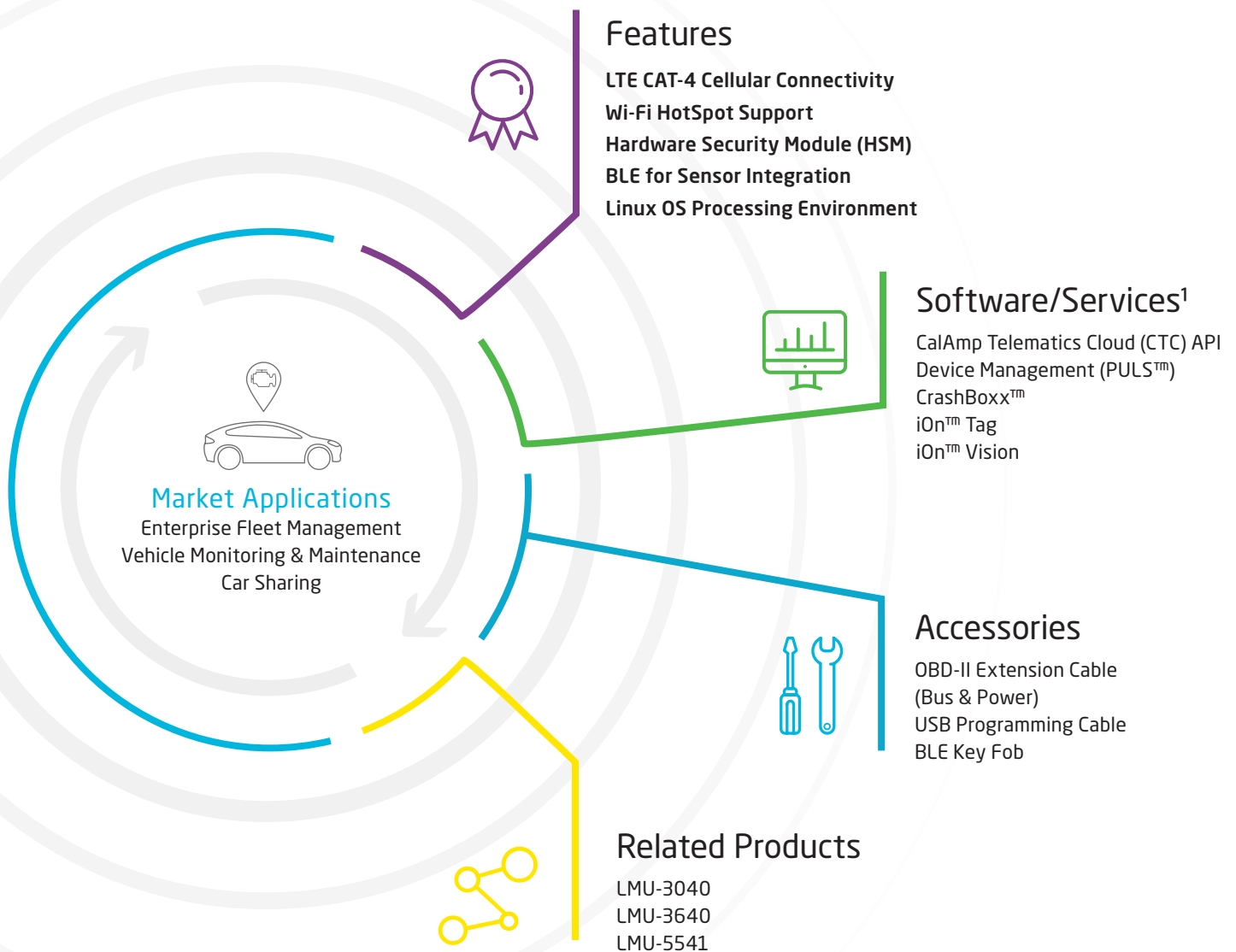
LMU-3240™

LTE CAT-4



Robust Next Generation OBD Wi-Fi Telematics for Connected Car and Enterprise Fleet Applications

The LMU-3240™ LTE CAT-4 is a feature-rich CAT-4 OBD-II, Wi-Fi Hotspot enhanced vehicle tracking device that is optimized for a diverse range of applications including driver behavior management, car rental, automotive and peer-to-peer car sharing.



L3240LQ121DS V11-B

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

Cal/Amp®

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LMU-3240™ LTE CAT-4 Technical Specifications

Cellular/Network

North American Variant I

LTE CAT-4	1900 (B2)/AWS 1700 (B4)/850 (B5)/700 (B12) MHz
HSPA/UMTS	850 (V)/1900 (II) MHz

Data Support

SMS, UDP, Wi-Fi, TCP, TLS

Satellite Location (GNSS)

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

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 5 Hz

AGPS Location assistance capable

Comprehensive I/O

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

Serial Port Micro USB 2.0 B Type

Status LEDs Programmable dual color (OBD, cellular, GPS)

Buzzer Integrated buzzer for audible alert applications

Sensors Accelerometer: 3-axis, impact, motion sense
Gyroscope: 3-axis (pitch, yaw and roll)

SIM Access Accessible (4FF SIM)

Certifications

Industry Certifications FCC, IC, PTCRB, Applicable Carriers

Cloud/Software Services¹

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

CTC Device data stream via RESTful APIs

Edge Intelligence¹

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

EdgeApp SDK Write custom embedded app for edge intelligence

Geo-Fences 32 general, >4K expanded

Buffered Messages 20,000

Electrical

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

Power Consumption Typical 500 uA @ 12V (deep sleep)
Typical 2 mA @ 12V (sleep on active network)
Typical 70 mA @ 12V (active tracking with GPS and cell enabled)

Battery Pack

Battery Capacity 180 mAh

Battery Technology Lithium-Ion

Charging Temperature 0° to +45° C

Certifications IEEE 1725-2011, UL 1624, UN 38.3

Environmental

Temperature -30° to +60° C (connected to primary power)
-10° to +60° C (operating on internal battery)
-20° to +25° C ≤ 6 months (long term storage)

Humidity 85% 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 1.88 x 2.50 x 1.14" (48 x 63.25 x 29 mm)

Weight 2.54 oz. (72 g)

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

Wireless Interfaces

GPS Antenna Internal

Cellular Antenna Main and Diversity

BLE Antenna Internal

Wi-Fi Antenna Internal, 2.4 GHz & 5 GHz

Interface Standards

Wi-Fi 802.11 a/b/g/n/ac

Bluetooth BLE 4.2

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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