

LMU-330™



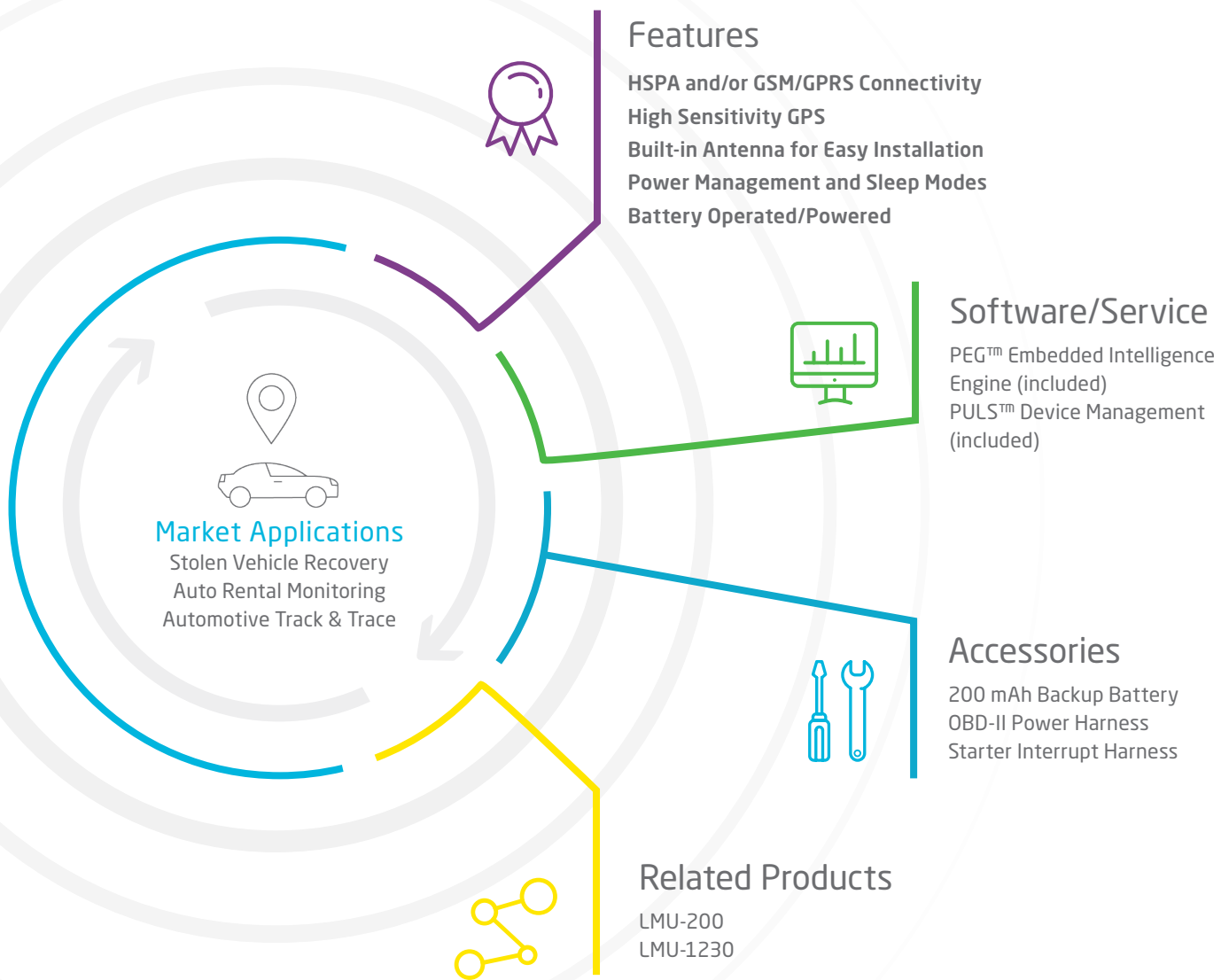
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A Robust Vehicle Tracker with A Compact Size, Essential I/O Capability, Built for Simple and Discrete Installation

The LMU-330™ is an economical, low powered vehicle tracking device designed for inexpensive and hidden installation. An ideal solution for stolen vehicle recovery, auto rental and other automotive track and trace applications, the LMU-330 utilizes CalAmp's PEG™ engine coupled with essential I/O capability to deliver accurate data about vehicle location and status.



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L330Q319DS V1



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LMU-330™ Technical Specifications

Cellular/Network

HSPA/UMTS Quad-Band	850/900/1800/1900 MHz
GSM/GPRS	Up to class 10
EHS5 HSPA	
HSPA/UMTS Dual-Band	850/1900 MHz
GSM/GPRS	850/1900MHz
HSPA Data Rates	5.6 Mbps upload/7.2 Mbps download

Data Support

SMS, GPRS, UDP Packet Data

Satellite Location (GNSS)

Constellation Support	Hybrid GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS)
Channels	56 Channel
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-148 dBm
Location Accuracy	~2.0m CEP Open Sky (SBAS 24 hours static)
Location Update Rate	Up to 4 Hz

Comprehensive I/O

Digital Inputs	Up to 2 fixed bias
Digital Outputs	Up to 2 optional open collector (150 mA)
Accelerometer	Built-in, triple-axis (motion sensing, tilt detection)
Analog Inputs	1 internal VCC monitor
Status LEDs	2 (GPS, cellular)

Certifications

Industry Certifications FCC, CE, IC, PTCRB, RoHS

Device Management

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

Embedded Intelligence Engine

PEG™ Behavioral scripting (8-bit support)

Electrical

Operating Voltage	12/24 VDC Vehicle Systems 9-32 VDC (start-up, operating) 7-32 VDC (momentary)
Power Consumption	Typical <2mA @ 12V (deep sleep) Typical <10mA @ 12/24V (radio-active sleep) Typical <20mA @ 12V (radio-active) Typical <60mA @ 12V (continuous transmit)

Environmental

Temperature	-30° to +70° C (connected to primary power) -40° to +80° C (storage)
Humidity	95% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G, 801G, SAEJ1455
ESD	SAE J1113, FCC-Part 15B

Physical/Design

Dimensions	1.84 x 3.3 x 0.78" (46.5 x 83.6 x 19.4 mm) (without harness)
Weight	3.1 oz. (87 g) (with harness)

Connectors/SIM Access

Connection Type	Captive wire harness in 2 wire, 4 wire, 6 wire configurations
GPS Antenna	Internal
Cellular Antenna	Internal
SIM Access	Internal (2FF SIM)

Product Options

200 mAh or 1000 mAh backup battery
Starter interrupt harness
ODB-II harness
CalAmp Telematics Cloud API
Customized hardware and software development