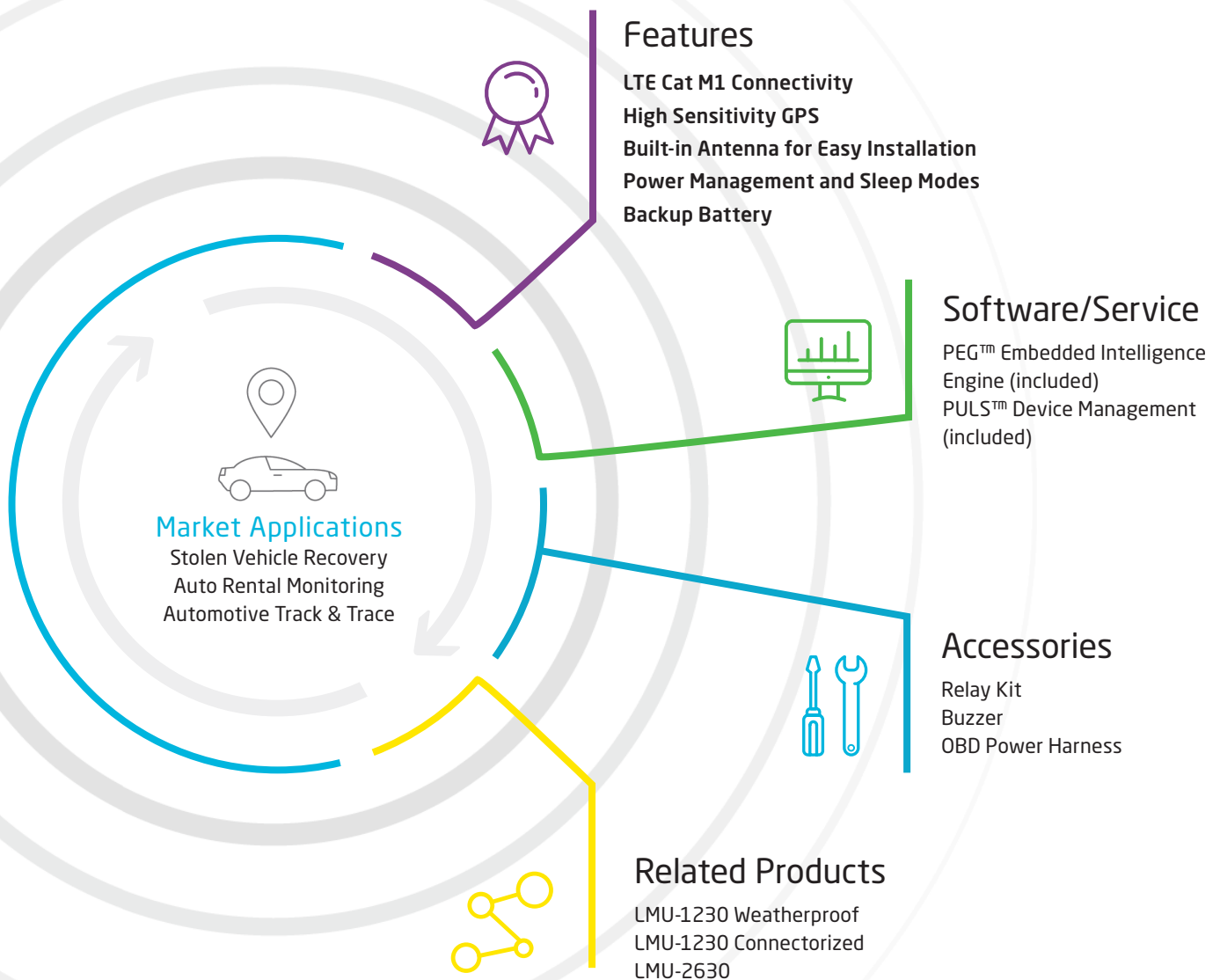


LMU-1230™



A Cost Effective, Compact Vehicle Tracker with Essential I/O Capability and Ease of Installation

The LMU-1230™ is an economical, low powered vehicle tracking device designed for hidden installations. An ideal solution for stolen vehicle recovery, auto rental and other automotive track and trace applications, the LMU-1230 utilizes CalAmp's PEG™ engine and GPS for vehicle location and status.



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L1230KQ419DS V2-A

Cal/Amp®

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LMU-1230™ Technical Specifications

Cellular/Network

North American Variant I	
LTE Cat M1	1900 (B2)/AWS 1700 (B4)/700 (B12)* MHz
North American Variant II	
LTE Cat M1	AWS 1700 (B4)/700 (B13) MHz

Data Support

SMS, UDP Packet Data

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	1 Hz
AGPS Location assistance capable	

Comprehensive I/O

Ignition Input	1 fixed bias
Digital Inputs	2 (high/low selectable 0-32 VDC)
Digital Outputs	3 (open collector relay 150mA)
Accelerometer	Built-in, triple-axis (motion sensing, tilt detection)

Certifications

Industry Certifications FCC, IC, PTCRB

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 (startup, operating) 7-32 VDC (momentary)
Power Consumption	Typical 750 uA @ 12V (deep sleep) Typical 12 mA @ 12V (radio-active sleep/idle) Typical 40 mA @ 12V (active tracking w/GPS and cell enabled)

Battery Pack

Battery Capacity	200 mAh
Battery Technology	Lithium-Ion
Charging Temperature	0° to +45° C

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 with battery)
Humidity	95% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standard 202G, 810F SAE J1455
ESD	IEC 61000-4-2 (4KV test)

Physical/Design

Dimensions	2.10 x 3.80 x .77" (53.4 x 96.6 x 19.5 mm)
Weight	3.95 oz. (112 g)

Connectors/SIM Access

GPS Antenna	Internal
Cellular Antenna	Internal
SIM Access	Internal (2FF SIM)

Product Options

CalAmp Telematics Cloud API

*Note: B17 is a subset of B12

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