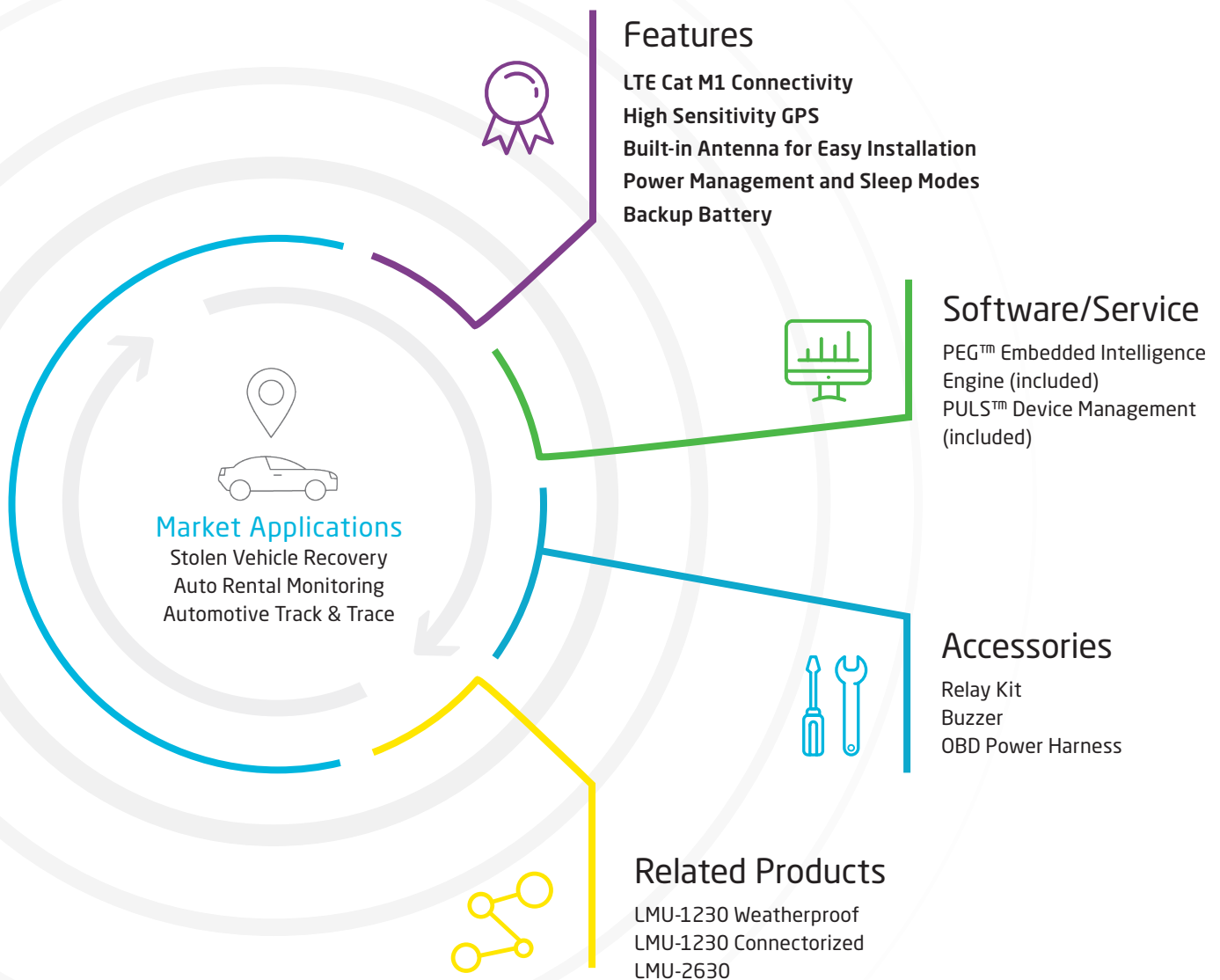


# LMU-1230™



## 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.



# LMU-1230™ Technical Specifications

## Cellular/Network

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

## Data Support

SMS, UDP Packet Data

## Satellite Location (GNSS)

<b>Constellation Support</b>	GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS, GAGAN)
<b>Channels</b>	55 Channel
<b>Tracking Sensitivity</b>	-167 dBm
<b>Acquisition Sensitivity</b>	-157 dBm (hot start) -148 dBm (cold start)
<b>Location Accuracy</b>	~2.0m CEP Open Sky (GPS SBAS 24 hours static)
<b>Location Update Rate</b>	1 Hz
<b>AGPS Location assistance capable</b>	

## Comprehensive I/O

<b>Ignition Input</b>	1 fixed bias
<b>Digital Inputs</b>	2 (high/low selectable 0-32 VDC)
<b>Digital Outputs</b>	3 (open collector relay 150mA)
<b>Accelerometer</b>	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

<b>Operating Voltage</b>	12/24 VDC Vehicle Systems 9-32 VDC (startup, operating) 7-32 VDC (momentary)
<b>Power Consumption</b>	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

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

## Environmental

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

## Physical/Design

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

## Connectors/SIM Access

<b>GPS Antenna</b>	Internal
<b>Cellular Antenna</b>	Internal
<b>SIM Access</b>	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](http://www.P65Warnings.ca.gov)