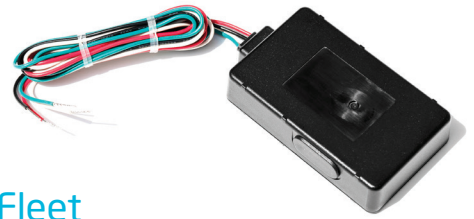


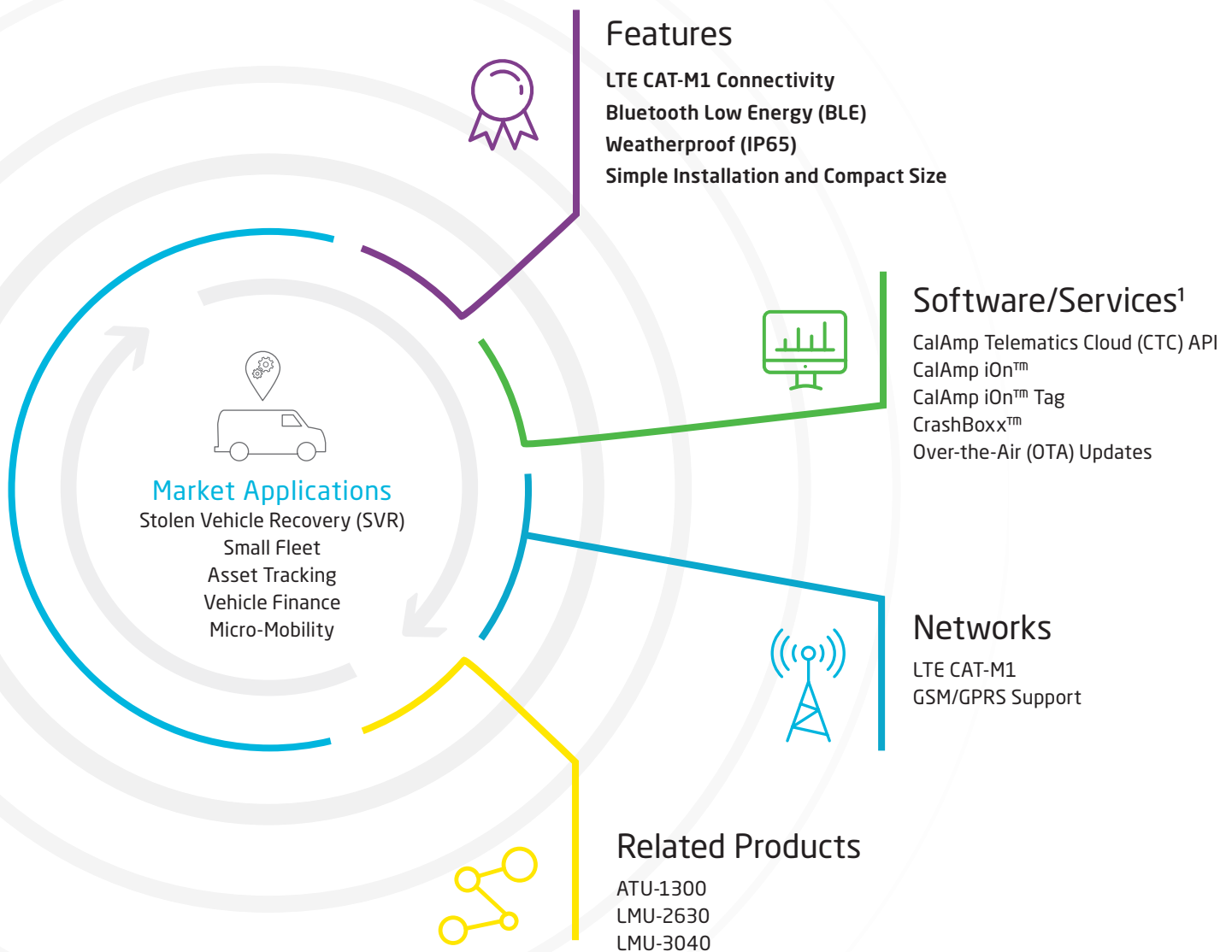
# LMU-1300™

LTE Cat M1 | 4-Wire



## Weatherproof Tracker for Advanced Fleet Management with Enhanced I/O Capabilities

The LMU-1300 is a vehicle tracking edge device incorporating a built-in triple-axis accelerometer for measuring driver behavior and vehicle impact. The IP rated and compact design with GNSS location capabilities enables a wide range of applications and versatile condition use.



L1300MQ222DS V1-A

© 2021 CalAmp. All specifications are typical and subject to change without notice.

<sup>1</sup> Subscription service enabled. Contact sales rep for additional details.

# Cal/Amp®

CalAmp  
15635 Alton Pkwy Ste 250  
Irvine, CA 92618  
888.3CALAMP  
calamp.com

# LMU-1300 LTE CAT-M1 4-Wire | Technical Specifications

## Cellular/Network

<b>Global Variant</b>	
LTE CAT-M1	2100 (B1)/1900 (B2/B25)/1800 (B3)AWS 1700 (B4/B66)/850 (B5/B26)/900(B8)/700 (B12/B13/B28/B85)/800 (B18/B19/B20/B27) MHz
GSM/GPRS	850/900/1800/1900 MHz

## Data Support

SMS, UDP Packet Data

## Satellite Location (GNSS)

<b>Constellation Support</b>	GPS/GLONASS/BeiDou/Galileo/QZSS
<b>Tracking Sensitivity</b>	-157 dBm
<b>Acquisition Sensitivity</b>	-157 dBm (hot start) -146 dBm (cold start)
<b>Location Accuracy</b>	<2.5m CEP Open Sky
<b>Location Update Rate</b>	Up to 5 Hz

## Comprehensive I/O

<b>Digital Inputs</b>	1 (high/low selectable 0-32 VDC)
<b>Digital Outputs</b>	1 (open collector relay 150mA)
<b>Serial Interface</b>	1 USB Port
<b>Sensors</b>	Accelerometer: Triple-axis, impact, motion sense Gyroscope: Triple-axis, tilt, yaw, roll detection

## Cloud/Software Services<sup>1</sup>

<b>PULS™</b>	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
<b>CTC</b>	Device data stream via RESTful APIs

## Edge Intelligence<sup>1</sup>

<b>PEG™</b>	Behavioral scripting (PEG2 on RTOS) applications
<b>Geo-Fences</b>	32 built-in
<b>Buffered Messages</b>	20,000

## Certifications

**Industry Certifications** FCC, IC, PTCRB, CE/RED, Applicable Carriers

## Electrical

<b>Operating Voltage</b>	12/24 VDC Vehicle Systems 9-32 VDC (start-up, operating) 7-32 VDC (momentary)
<b>Power Consumption<sup>2</sup></b>	Typical <500uA @ 12V (low power sleep) Typical <15mA @ 12 V (radio-active sleep) Typical <60mA @ 12 V (GPS tracking and cell idle)

## Battery Pack

<b>Battery Capacity</b>	180 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) -20° to +60° C (operating on internal battery) -10° to +25° C ≤ 6 months (long term storage with battery)
<b>Humidity</b>	90% RH @ 50° C non-condensing
<b>Shock and Vibration</b>	U.S. Military Standards 202G, 810F, SAE J1455
<b>ESD</b>	IEC 61000-4-2 (4KV test)
<b>Ingress Protection Rating<sup>3</sup></b>	IP65

## Physical/Design

<b>Dimensions</b>	3.50 x 1.97 0.75" (89 x 50.1 x 19.2 mm)
<b>Weight</b>	3.53 oz. (100g)

## Connectors/SIM Access

**SIM Access** External

## Wireless Interfaces

<b>GPS Antenna</b>	Internal
<b>Cellular Antenna</b>	Internal
<b>BLE Antenna</b>	Internal

## Interface Standards

**Bluetooth** Bluetooth Low Energy (BLE)

<sup>1</sup> Subscription service required. Contact sales rep for additional details.

<sup>2</sup> PEG Configuration Option

<sup>3</sup> IP Certified if CalAmp Assembled

## 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)