

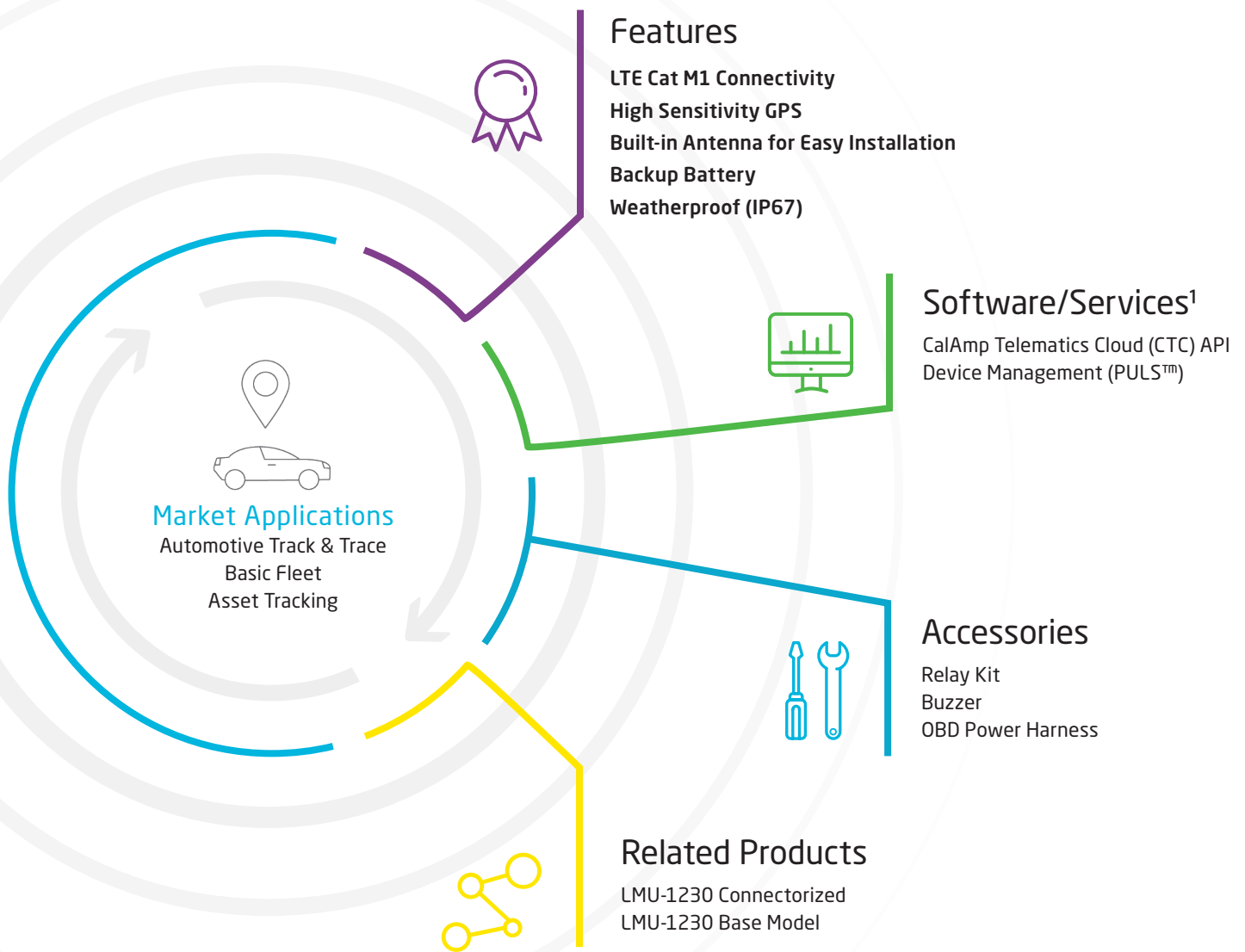
LMU-1230™

Weatherproof



A Robust, Compact and Weatherproof Vehicle Tracker with I/O Capability for Commercial Deployments.

The LMU-1230™ is an economical, low powered asset & vehicle tracking device built for applications requiring only the essential features. The weatherproof and reliable design incorporates a rechargeable battery pack, making the LMU-1230 best suited for harsh and rugged applications.



L1230SQ220DS V1-A
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¹ Subscription service enabled. Contact sales rep for additional details.

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

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 low bias

Digital Inputs 2 (high/low selectable bias 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, RoHS

Cloud/Software Services¹

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

CTC Device data stream via RESTful APIs

Edge Intelligence¹

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 500 uA @ 12V (deep sleep)
Typical 11 mA @ 12V (radio-active sleep/idle)
Typical 40 mA @ 12V (active tracking w/GPS and cell enabled)

Battery Pack

Battery Capacity Up to 1400 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 +35° C ≤ 6 months (long term storage with battery)

Humidity 95% RH @ 50° C non-condensing

Shock and Vibration U.S. Military Standard 202G, 801F SAE J1455

ESD IEC 61000-4-2 (4KV test)

Ingress Protection Rating IP67

Physical/Design

Dimensions 3.06 x 4.45 x 0.87" (77.8 x 113 x 22 mm)

Weight 6.35 oz. (180g)

Connectors/SIM Access

GPS Antenna Internal

Cellular Antenna Internal

SIM Access Internal (2FF SIM)

*Note: B17 is a subset of B12

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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