# LMU-3030 SPECIFICATIONS

## GENERAL

**Communication Modes**  
GPRS/EDGE/HSPA and CDMA  
1xRTT packet data, UDP and SMS

**Location Technology**  
GPS

**Enhancement Technology**  
SBAS: WAAS, EGNOS, MSAS, GAGAN

**Tracking Sensitivity**  
-162 dBM

**Acquisition Sensitivity**  
-148 dBM

**Location Accuracy**  
2.0m

**AGPS capable**

## OBD DATA EXTRACTION

**Detection**  
Automatic detection of vehicle interface services

**Extraction**  
Transmission of standard EOBD codes, plus manufacturer specific codes which are made available by the embedded OBD firmware stack

**Scripts**  
Download of vehicle specific diagnostic scripts dependent on vehicle model variant

## KEY FEATURES

- Low power sleep mode <3mA
- Superior GPS and cellular quality
- Built-in 3-axis accelerometer for motion, tilt, and impact detection
- Built-in OBD-II connector to read vehicle bus data
- Built-in cellular and GPS antenna
- 25 geo-fences
- 20,000 buffered messages
- Optional OBD-II connector cables
- Optional splitters and extensions
- Optional serial cable

## CONNECTORS, SIM ACCESS

**SIM Access**  
Internal

Built-in OBD-II/E0BD-II interface via J1962 compliant connector

## ELECTRICAL

**Operating Voltage**  
9-16 VDC Vehicle Systems

**Sleep Mode**  
4.9mA @ 13V (deep sleep)
66mA @ 13V (radio-active sleep)
66mA @ 13V (SMS+UDP connection, GPS off)
114mA @ 13V (continuous transmit)

**HSPA data rates**  
5.6 Mbps upload
7.2 Mbps download

**HSPA Fallback**  
EDGE/GPRS/GSM quad band
EDGE MCS1-MCS9
3GPP Release 6

## COMPREHENSIVE I/O

**OBD-II Interface**  

Vehicle interfaces are multiplexed to allow full connectivity to retrieve all codes made available by the firmware stack

**Outputs**  
None

**Communications Status**  
LED’s: OBD, Cellular and GPS

**Bluetooth**  
Bluetooth 4.0 Dual Mode (optional fit)

## ENVIRONMENTAL

**Temperature**  
-30° to + 75° C (connected to primary power)
-40° to + 85° C (storage)

**Humidity**  
95% R.H. @ 50° C non-condensing

**Shock and Vibration**  
SAE J1455

**EMC/EMI**  
CE, GCF, eMark (all pending)

**RoHS Compliant**

## PHYSICAL

**Dimensions**  
1.5 x 2.5 x 0.98" (43 x 64 x 25mm)

**Weight**  
1.83 oz / 52g (with battery)

**Enclosure**  
Rugged textured plastic enclosure

## DEVELOPMENT SUPPORT OPTIONS

Customized hardware and software development available on request

## MOUNTING

Via built-in OBD-II connector
Self-adhesive mounting with OBD-II extender cable

## CERTIFICATIONS

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

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**About CalAmp**

CalAmp Corp. (NASDAQ: CAMP) is a proven leader in providing wireless communications solutions to a broad array of vertical market applications and customers. CalAmp’s extensive portfolio of intelligent communications devices streamline otherwise complex machine-to-machine (M2M) deployments. These solutions enable customers to optimize their operations by collecting, monitoring and efficiently reporting business critical data and desired intelligence from high-value remote assets. For more information, please visit www.calamp.com.