



# LMU-2630™ LTE Series

## Fleet Tracking Unit with Leading Technologies



The LMU-2630 fleet tracking unit offers leading edge fleet management features including a triple-axis accelerometer for measuring driver behavior and vehicle impacts while offering the high reliability fleet customers demand.

### COMPETITIVE PRICE, COMPETITIVE TECHNOLOGY, COMPETITIVE EDGE

The LMU-2630 is a robust, affordable device you can count on for AVL and fleet applications. The LMU-2630 incorporates GSM/GPRS, CDMA 1xRTT, HSPA, or LTE wireless communication along with extra-sensitive GPS, a powerful processing engine, and a triple-axis accelerometer that detects and acts on hard braking, aggressive acceleration, or vehicle impacts. Internal or external antenna options enable the device to be mounted virtually anywhere for easy, inexpensive installations.

### FLEXIBILITY

The LMU-2630 employs CalAmp's industry leading on-board alert engine, PEG™ (Programmable Event Generator). This advanced engine monitors external conditions and supports custom application. PEG continuously monitors the vehicle environment and responds instantaneously to pre-defined threshold conditions related to time, date, motion location, geo-zone, input and other event combinations. This behavior can be programmed by CalAmp before shipment, at a customer facility, or over-the-air once the unit has been fielded. With PEG, your unique application will meet demanding customer requirements and give you a distinct advantage over your competition.

### OVER-THE-AIR SERVICEABILITY

The LMU-2630 also leverages CalAmp's industry leading over-the-air device management and maintenance system, PULS™ (Programming, Updates, and Logistics System). Configuration parameters, PEG rules, and firmware can all be updated over-the-air. PULS offers out-of-the-box hands-free configuration and automatic post-installation upgrades. You can also monitor unit health status across your customers' fleets to quickly identify issues before they become expensive problems.



### Experience The Advantage

- GSM/GPRS, CDMA 1xRTT, HSPA or LTE configurations
- Optional bluetooth 4.0 classic or bluetooth low energy
- Internal or external cellular and GPS antenna options for easy installation
- High sensitivity GPS
- Built-in triple-axis accelerometer for driver behavior, Motion sensing, hard braking, impact detection
- 20,000 buffered message log
- 32 built-in geo-fences, plus any combination of circle or polygon zones, up to 5400 points
- 5 inputs/3 outputs/1-wire® interface for driver ID, temperature sensors, and more
- Dual switched power serial ports
- Android™, Magellan®, Garmin®, TomTom® MDTs and other advanced peripherals support
- Optional 1000mAh or 200mAh back-up battery
- Power management sleep modes
- Automatic, over-the-air configuration and firmware download

# LMU-2630 TECHNICAL SPECIFICATIONS

## GENERAL

Communication Modes	GPRS/EDGE/HSPA and CDMA 1xRTT packet data, UDP and SMS
Location Technology	56 channel GPS
Operating Voltage	12 and 24 volt vehicle systems

## GPS

Location Technology	GPS; GLONASS and QZSS capable
Enhancement Technology	SBAS: WAAS, EGNOS, MSAS, GAGAN
Receiver Type	56 channels
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-148 dBm
Location Accuracy	2.0m CEP
Location Update	Rate up to 10 Hz
Anti-jamming	
AGPS / Location assistance capable	

## CELLULAR

Data Support	SMS, UDP packet data		
Operating Bands (MHz)			
GSM/GPRS	850/900/1800/1900		
CDMA/1xRTT	850/1900		
HSPA/UMTS	850/1900		
Transmitter Power			
GSM/GPRS	850/900	1800/1900	32.5 dBm 29.3 dBm
CDMA/1xRTT	850	1900	24 dBm 23 dBm
HSPA/UMTS	850/1900		23 dBm
HSPA data rates	5.6Mbps upload/7.2 Mbps download		
HSPA Fallback	EDGE/GPRS/GSM quad band EDGE MCS1-MCS9 3GPP Release 6		
LTE	700/800/850/1700/1800/1900/2600 MHz (depending on configuration) Downlink up to 5 Mbps (peak burst rate) Uplink up to 5 Mbps (peak burst rate) Fallback to HSPA/CDMA (depending on configuration)		

## COMPREHENSIVE I/O

Digital Inputs	5 (1 fixed bias low, 4 programmable bias)
Digital Outputs	3 relay driver outputs (200mA)
Serial Interface	2 power TTL ports
Analog Inputs	2 (1 interval VCC monitor, 1 external A/D input)
1-Wire® Interface	Driver ID, temperature sense
Status LEDs	GPS and cellular

## ENVIRONMENTAL

Temperature*	-30° to +75° C (connected to primary power) -40° to +85° C (storage) Except Battery*
Humidity	95%RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G and 810F, SAE J1455
EMC/EMI:	SAE J1113; FCC-Part 15B; Industry Canada; RoHS Compliant

## PHYSICAL

Dimensions	3.684 x 2.002 x 0.775", (93.57 x 52.88 x 19.68mm)
Weight	2.4oz, (68.03g)

## MOUNTING

Tie-wrap, adhesive, or velcro  
Screw mounting bracket

## CONNECTORS, SIM ACCESS

Connection Type	20-pin Molex-type or captive 2,6 or 10-wire harness
GPS antenna	External SMA or internal (w/ tamper monitoring, 3V)
Cellular Antenna	External SMC or internal
SIM Access	Internal (except CDMA)

## CERTIFICATIONS

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

## ELECTRICAL

Operating Voltage	7-32 VDC (momentary) 9-30 VDC (start-up, operating)
Power Consumption	<3 mA @ 12V (deep sleep) <10mA @ 12V (sleep on network with SMS) <20mA @ 12V (sleep on network with UDP) <70mA @ 12V (active tracking)
Back Up Battery (Optional)	Lithium-Ion 200mAh or 1000mAh (See technical specifications online for operational temperature impacts)

## DEVELOPMENT SUPPORT OPTIONS

Customized hardware and software development available on request

About CalAmp  
CalAmp (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, robust and scalable cloud service platform, and targeted software applications 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](http://www.calamp.com).

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