

# LMU-2600™ Series

FLEET TRACKING UNIT WITH LEADING TECHNOLOGIES

CalAmp®



The LMU-2600 fleet tracking unit offers leading edge technology including a new 3D accelerometer for measuring driver behavior and vehicle impacts while offering the high reliability fleet customers demand.

### ***Competitive Price, Competitive Technology, Competitive Edge***

The LMU-2600 is a robust, affordable fleet device you can count on for AVL applications. The LMU-2600 features GSM/GPRS or CDMA 1xRTT wireless communication, extra-sensitive GPS technology, a powerful processing engine, and a 3D accelerometer that detects and acts on hard braking, aggressive acceleration, or vehicle impacts. Internal or external antenna options enables the device to be mounted virtually anywhere for easy, inexpensive installations.

### ***Flexibility***

The LMU-2600 employs CalAmp's industry leading on-board alert engine, PEG™ (Programmable Event Generator). This advanced engine monitors external conditions and supports customer-defined rules to help meet the needs of your application. PEG continuously monitors the vehicle environment and responds instantaneously to pre-defined threshold conditions related to time, date, motion, location, inputs, and other event combinations. This behavior can be programmed by CalAmp before shipment, at a customer's facility, or over-the-air once the unit has been fielded. With PEG, your unique application will meet any customer requirements and give you a distinct competitive advantage.

### ***Over-the-Air Serviceability***

The LMU-2600 leverages CalAmp's industry leading 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 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 or CDMA 1xRTT radio configurations
- Internal or External Cellular and GPS antenna options for easy installation
- High Sensitivity GPS
- 3-Axis Precision Accelerometer
- 20,000 Buffered Message Log
- 32 Geo-fence capability
- 5 Inputs/3 Outputs/1-wire® Interface for Driver ID, Temperature Sensors, and more.
- Dual serial ports
- Garmin® FMI support
- Power management sleep modes
- Automatic, over-the-air configuration, firmware download, and device management (PULS™)

*Air Superiority™*

# LMU-2600 Specifications

## Communication Specifications

GSM/GPRS Quad-Band	850/900/1800/1900 MHz
GSM/GPRS Output Power	850: 2 Watts (Class 4)
	900: 2 Watts (Class 4)
	1800: 1 Watt (Class 1)
	1900: 1 Watt (Class 1)
CDMA Dual-Band	800/1900 MHz
CDMA Output Power	800: +24 dBm
	1900: +24 dBm
Data Support	SMS, GPRS or CDMA 1xRTT packet data

## Certifications

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

## Location Specifications

Location Technology	50 Channel GPS
	SBAS: WAAS, EGNOS, MSAS
Location Accuracy	2.0 meter CEP (with SBAS)
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-147 dBm
AGPS capable	

## Comprehensive I/O

Inputs	5 (2 fixed bias low, 3 fixed bias high)
Outputs	3 Relay Driver (150 mA)
Serial Interfaces	2 (1 TTL serial, 1 switched power TTL)
A/D Inputs	2 (1 internal, 1 external)
1-Wire® Interface	Driver ID
	Temperature Sense
Status LEDs	GPS and Cellular

## Connectors, SIM Access

I/O, Power, Programming	20-pin Molex-type fused power harness
GPS Antenna	External SMA (w/ tamper monitoring, 3V) or Internal
Cellular Antenna	External SMC or Internal
SIM Access	Internal (GSM/GPRS variant only)

## Electrical Specifications

Operating Voltage	6-32 VDC
Power Consumption	<3 mA @ 12 V (Deep Sleep)
	<10 mA @ 12 V (Sleep on Network with SMS)
	<20 mA @ 12 V (Sleep on Network with GPRS)
	< 70 mA @ 12 V (Active Tracking)

## Physical Specifications

Dimensions	2.0 x 4.0 x 0.85 inches (51 x 102 x 22 mm)
Weight	74 g (external), 85 g (internal)

## Environmental Specifications

Operating Temperature	-30° to +75° C
Storage Temperature	-40° to +85° C
Humidity	95% R.H. @ 70° C non-condensing
Shock and Vibration	U.S. Mil. Std. 202G and 810F, SAE J1455
EMC/EMI:	SAE J1113

## Mounting

Tie-wrap, Adhesive, or Velcro  
Screw Mounting Bracket

## Optional Features/Functions

- Driver ID with 1-Wire® protocol
- Temperature Sensing via 1-Wire® protocol
- Backup Battery
- External GPS and Cellular Antennas
- Internal GPS and Cellular Antennas
- NMEA data via serial
- External A/D input
- Serial Cables
- jPOD™ truck ECU interface
- Garmin® FMI compatible interface cable
- Piezo speaker, panic button, and privacy button
- Power harness with two (2) 3A Fuses

