

LMU-2630™ GSM/GPRS, CDMA, HSPA

Fleet Tracking Unit with Leading Technologies

Cal/Amp®



Experience The Advantage

- GSM/GPRS, CDMA 1xRTT or HSPA configuration
- 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 options
- Dual switched power serial ports
- Android™, Magellan®, Garmin®, TomTom® MDTs and other advanced peripherals support
- Optional 1000 mAh back-up battery
- Power management sleep modes
- Automatic, over-the-air configuration and firmware download

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 or HSPA 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 enables 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 management and maintenance system, PULS™ (Programming, Updates, and Logistics System), for over-the-air configuration parameters, PEG rules and firmware. This out-of-the-box hands free configuration and automatic post-installation upgrades can monitor unit health status across your fleets to identify issues before they become expensive problems.

LMU-2630 GSM/GPRS, CDMA, HSPA 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; 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/Bands

Operating Bands (MHz)	
GSM/GPRS	850/900/1800/1900
CDMA/1xRTT	850/1900
HSPA/UMTS	850/1900
HSPA data rates	5.6Mbps upload/7.2 Mbps download
HSPA fallback	EDGE/GPRS/GSM quad band
	EDGE MCS1-MCS9
	3GPP Release 6
Data Support	SMS, UDP packet data, TCP

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

Physical

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

Certifications

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

Environmental

Temperature ¹	-30° to +75° C (connected to primary power) -40° to +85° C (storage)
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

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

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 1000 mAh

Product Options

Customized hardware and software development available on request
Tie-wrap, adhesive, or velcro screw mounting bracket

¹ See technical specifications online for operational temperature cost

About CalAmp

CalAmp (NASDAQ: CAMP) is a telematics pioneer leading transformation in a global connected economy. We help reinvent businesses and improve lives around the globe with technology solutions that streamline complex IoT deployments and bring intelligence to the edge. Our software applications, scalable cloud services, and intelligent devices collect and assess business-critical data from mobile assets, cargo, companies, cities and people. We call this The New How, powering autonomous IoT interaction, facilitating efficient decision making, optimizing resource utilization, and improving road safety. CalAmp is headquartered in Irvine, California and has been publicly traded since 1983. Lojack is a wholly owned subsidiary of CalAmp. For more information, visit calamp.com, or LinkedIn, Twitter, YouTube or CalAmp Blog.

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