

LMU-1000

Low Cost GPS Tracking Unit



Key Applications

- Sub-Prime Lending: Payment and collateral management
- Insurance: Asset monitoring and theft recovery protection
- Consumer: Low-cost theft recovery and tracking solutions
- Auto Rental: Asset monitoring and theft recovery protection

The LMU-1000 Low-Cost Tracking Unit from CalAmp is the ideal solution for insurance, sub-prime lending and other simple tracking applications. The unit can be fully customized to meet the specific requirements of any particular market or application.

The LMU-1000 is a complete vehicle tracking and communication device incorporating GPS satellite technology with GSM digital cellular networks to provide a reliable, market-ready solution. Messages are transported across the GSM/GPRS network using enhanced SMS or UDP messaging providing a reliable communications link between the device and your application servers.

Designed for extremely low standby current consumption, the device's intelligent power management algorithms result in an average standby current of less than 10mA when the vehicle is not running.

This fully turnkey OEM solution comes pre-approved with all of the common agency and carrier approvals and certifications for North America already in-place greatly reducing customer time-to-market and product development cost.

General Specifications

Operating Voltage	6-18 VDC
Operating Current	less than 10 mA (standby)
Operating Current	less than 700 mA (transmit)

Physical Specifications

Dimensions	51 x 102 x 13 mm 2.0 x 4.0 x 0.85 in
Temperature	-30 to +65° C (operating) -40 to +85° C (storage)
Weight	50g

GSM Specifications

Quad Band	850/900/1800/1900 MHz
Output Power	850 (Class 4) 2W 900 (Class 4) 2W 1800 (Class 1) 1W 1900 (Class 1) 1W
GSM	Release 99 compliant
GPRS	Up to class 12
Data Support	SMS, GPRS (UDP)

Supported Networks

- Cingular
- T-Mobile
- Aeris.Net
- Numerex
- Kore
- Jasper

Key Features

- GSM/GPRS/SMS Network Support
- Internal or External GSM and GPS Antenna Versions
- Selectable SMS or GPRS Messaging
- Up to 2 watt Transmit Output Power
- Ultra-Low Power Consumption
- 2 - Digital Inputs with Programmable Bias
- 2 - 150ma Relay Driver Outputs
- On-Board SIM Socket (1.8/3V)
- FCC/IC, PTCRB and AT & T Approval
- RoHS Compliant
- Remote Location Request and Report
- Engine Start/Run Status Detection
- Remote Unit Status Request and Report
- GPS and GSM Status LEDs
- Optional Lead Acid Back Up Battery with Trickle Charge
- Complete Over the Air Firmware and Script Update and Device Management Capability
- Geofence Functions
- Excess Speed Alarm Function
- Battery Voltage Monitoring and Low Battery Notification

Development Support Options

- SMS Back-End Handlers
- GPRS Back-End Handler
- Custom Development Available

Mechanical Dimensions

