



LMU 2500 GPRS Location Messaging Unit

The ultra-sensitive GPS-based LMU2500 fleet tracking unit is unrivaled in its class with next generation Super-sense GPS technology at an economical price.

Economically Priced Device

Highly Configurable

Built-in Antenna Option for Easy Installation

Built-in Motion Sense and Alerting

Voltage Monitoring and Low Battery Notification

Automatic, Over-The-Air Configuration on Power-Up

Automatic, Over-The-Air Firmware Download

**Mobile Resource Management
Simplified**

PHYSICAL SPECIFICATIONS

Size

51 x 102 x 24 mm (2.0" x 4.0" x 0.93")

Mass

External	74 g
Internal	82 g

ELECTRICAL SPECIFICATIONS

Power Source

6 - 32 V DC

Power Consumption

Active Standby	<75 mA @ 12 V
Network Connected	<20 mA @ 12 V
Sleep	<3 mA @ 12 V
Deep Sleep	<3 mA @ 12 V

ENVIRONMENTAL

Operating Temperature

-30° C to +75° C

Storage Temperature

-40° C to +85° C

Humidity

95% RH @ 50° C non-condensing

Shock and Vibration

U.S. Military Standard
202G and 810F, SAE J1455

EMC/EMI

SAE J1113
FCC - Part 15B
Industry Canada

GSM SPECIFICATIONS

Data Support

SMS, GPRS (UDP)

Cellular/PCS

FCC-Parts 22, 24; PTCRB

GPRS

Up to class 12

Quad Band

850/900/1800/1900 MHz

Output Power

850 MHz (Class 4)	2 W
900 MHz (Class 4)	2 W
1800 MHz (Class 1)	1 W
1900 MHz (Class 1)	1 W

GPS SPECIFICATIONS

Channels

50 channel (with WAAS)

Location Accuracy

3 m CEP

Tracking Sensivity

-160 dBm (tracking)

In-vehicle Mapping

NMEA GPS output

I/O & INTERFACES

Comprehensive I/O

Inputs	5
Realy Driver Outputs(150 mA)	2
A/D inputs	2
1-Wire® Interface	Driver ID
Status LEDs	Temperature
Power harness	Cellular
	GPS status
	Included with
	2 3A Fuses

Connectors & SIM

SIM Access	Internal
External GPS	SMA
External Cellular	SMC
Power, I/O, Programming	20 Pin
	Molex-type
	fused power
	harness

FEATURES

Key Features

GPRS and SMS-Based Messaging
High Sensitivity GPS
Integrated Motion Sense
Voltage Monitoring and Low Battery Notification
5,000 BHuffered Messages
32 Built-in Geo-fences
PEG™ Exception-Based Rules
Automatic Over-The-Air Unit Configurational

Optional Features

Driver ID with 1-Wire® protocol
Temperature Sensing via 1-Wire® protocol
Backup Battery
External & Internal GPS and Antennas
GPS and Antennas
NMEA Serial Cable
External A/D Input



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