LMU-3030 SPECIFICATIONS

GENERAL

Communication Modes	GPRS/EDGE/HSPA and CDMA 1xRTT packet data, UDP and SMS
Location Technology	50+ channel GPS (with SBAS)
Messages	20,000 buffered messages
Geo-Fence	25 radial and 25 polygonal geo-fences on-board device, user definable
Configuration	Automatic over-the-air firmware and configuration updates via PULS™

GPS

Location Technology	GPS
Enhancement Technology	SBAS: WASS, EGNOS, MSAS, GAGAN
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-148 dBm
Location Accuracy	2.0m
AGPS capable	

CELLULAR

Data Support	SMS/ UDP Packet Data		
Operating Bands (MHz band)			
GSM/GPRS	850/900/1800/1900		
CDMA/1xRTT	850/1800		
HSPA/UMTS	800(VI)/850(V)/900(VIII)/ 1700(IV)/1900(II)/2100(I)		
Transmitter Power			
GSM/GPRS	850/900 32.5	dBm	
	1800/1900	29.5	dBm
CDMA/1xRTT	850	24	dBm
	1800	23	dBm
HSPA/UMTS	(all bands)	23	dBm
HSPA data rates	5.6 Mbps upload 7.2 Mbps download		
HSPA Fallback	EDGE/GPRS/GSM quad band EDGE MCS1-MCS9 3GPP Release 6		

CERTIFICATIONS

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

DEVELOPMENT SUPPORT OPTIONS

Customized hardware and software development available on request

MOUNTING

Via built-in OBD-II connector
Self-adhesive mounting with OBD-II extender cable

CONNECTORS, SIM ACCESS

SIM Access Internal
Built-in OBD-II/EOBD-II interface via J1962 compliant connector

COMPREHENSIVE I/O

OBD-II Interface	OBD-II interface: J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230, KWP 2000, ISO-15765 CAN Vehicle interfaces are multiplexed to allow full connectivity to retrieve all codes made available by the firmware stack
Outputs	None
Communications Status	LED's: OBD, Cellular and GPS
Bluetooth	Bluetooth 4.0 Dual Mode (optional fit)

ENVIRONMENTAL

Temperature	-30° to + 75° C (connected to primary power) -40° to + 85° C (storage)
Humidity	95% R.H. @ 50° C non-condensing
Shock and Vibration	SAE J1455
EMC/EMI	CE, GCF, eMark (all pending)
RoHS Compliant	

PHYSICAL

Dimensions	1.5 x 2.5 x 0.98" (43 x 64 x 25mm)
Weight	1.83oz / 52g (with battery)
Enclosure	Rugged textured plastic enclosure

ELECTRICAL

Operating Voltage	9-16 VDC Vehicle Systems
Sleep Mode	4.9mA @ 13V (deep sleep) 66mA @ 13V (radio-active sleep) 66mA @ 13V (SMS+UDP connection, GPS off) 114mA @ 13V (continuous transmit)

OBD DATA EXTRACTION

Detection	Automatic detection of vehicle interface services
Extraction	Transmission of standard EOBD codes, plus manufacturer specific codes which are made available by the embedded OBD firmware stack
Scripts	Download of vehicle specific diagnostic scripts dependent on vehicle model variant

KEY FEATURES

- Low power sleep mode <3mA
- Superior GPS and cellular quality
- Built-in 3-axis accelerometer for motion, tilt, and impact detection
- Built-in OBD-II connector to read vehicle bus data
- Built-in cellular and GPS antenna
- 25 geo-fences
- 20,000 buffered messages
- Optional OBD-II connector cables
- Optional splitters and extensions
- Optional serial cable

About CalAmp

CalAmp Corp. (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 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.

CalAmp Corp.
2117 Salk Avenue, Suite 200, Carlsbad, CA 92008
T: 760.438.9010 l F: 760.438.5835
www.calamp.com