

LMU-2630 SPECIFICATIONS

GENERAL

Communication Modes	GPRS/EDGE/HSPA and CDMA 1xRTT packet data, UDP and SMS
Location Technology	50 channel GPS
Operating Voltage	12/24 volt vehicle systems

GPS

Location Technology	GPS
Enhancement Technology	SBAS: WASS, EGNOS, MSAS, GAGAN
Receiver Type	50 channels
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-147 dBm
Location Accuracy	2.0m
AGPS Capable	

CELLULAR

Data Support	SMS UDP packet data	
Operating Bands (MHz)		
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	29.3 dBm
CDMA/1xRTT	850	24 dBm
	1800	23 dBm
HSPA/UMTS	(all bands)	23 dBm
HSPA data rates	5.6Mbps upload/7.2 Mbps download	
HSPA fallback	EDGE/GPRS/GSM quad band EDGE MCS1-MCS9 3GPP Release 6	

COMPREHENSIVE I/O

Digital Inputs	5 (1 fixed bias low, 4 programmable bias)
Digital Outputs	3 relay driver (200mA)
Serial Interface	2 (1 TTL serial, 1 switched power TTL)
Analog Inputs	2 (1 interval VCC monitor, 1 external A/D input)
1-Wire® Interface	Driver ID, temperature sense
Status LEDs	GPS and cellular

MOUNTING

Tie-wrap, adhesive, or velcro

DEVELOPMENT SUPPORT OPTIONS

Customized hardware and software development available on request

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.

ENVIRONMENTAL

Temperature	-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	

PHYSICAL

Dimensions	2 x 4 x 0.85", (51 x 102 x 22mm)
Weight	74 g (external), 85 g (internal)

CONNECTORS, SIM ACCESS

Connection Type	20-pin Molex-type fused power harness
GPS antenna	External SMA or internal (w/ tamper monitoring, 3V)
Cellular Antenna	External SMC or internal
SIM Access	Internal (GSM/GPRS or HSPA variant only)

CERTIFICATIONS

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

ELECTRICAL

Operating Voltage	7-32 VDC (momentary) 9-30 VDC (start-up, operating)
Power Consumption	<4 mA @ 12V (deep sleep) <19mA @ 12V (radio-active sleep) <17mA @ 12V (SMS+UDP connection, GPS off) <60mA @ 12V (continuous transmit)
Back Up Battery	(Optional)Lithium-Ion 200mAh or 1000mAh (See technical specifications online for operational changes)

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®, Magellan, and other advanced peripherals support
- Piezo speaker, panic button, and privacy button
- Power harness with two (2) 3A fuses
- External vPOD™ OBD-II/EOBD-II interface via J1962 compliant connector

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All specifications are typical and subject to change without notice

