**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, EGNS, MSAS, GAGAN
- **Receiver Type**: 50 channels
- **Tracking Sensitivity**: -162 dBm
- **Acquisition Sensitivity**: -147 dBm
- **Location Accuracy**: 2.0m
- **AGPS Capable**: Yes

### 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**: 3

### 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

### ENVIROMENTAL
- **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®, Magellin, 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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**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.