

LTE CAT 1BIS · DATA SHEET

LMU-2630LNB™

LTE CAT 1 bis smart tracker for commercial fleets and assets



DIMENSIONS

94 × 53 × 20 mm
(3.70 × 2.09 × 0.79 in)

WEIGHT

80 g
(2.8 oz)

Overview

The LMU-2630 series combines regional LTE CAT 1 bis connectivity, Bluetooth Low Energy 4.2, and capable I/O for commercial fleets and asset tracking. CalAmp PEG intelligent logic programming and wired and wireless sensor integration support real-time telematics, driver monitoring, and cargo visibility.

Highlights



Regional LTE CAT 1 bis connectivity



Bluetooth Low Energy 4.2 supports wireless peripherals



Wired, OBDII, and cigarette-lighter power harness options



Gateway and tag integration supports cargo monitoring



Driver-behavior and harsh-event monitoring



CalAmp PEG logic enables intelligent edge processing

 PHYSICAL DESIGN	
Dimensions	94 × 53 × 20 mm (3.70 × 2.09 × 0.79 in)
Weight	80 g (2.8 oz)
 CELLULAR	
LTE CAT 1bis Bands	B2, B4, B5, B12*, B13, B14, B17, B25*, B66*
Data Support	SMS, UDP Packet Data, TCP
 GNSS	
Constellation Support	GPS, GLONASS, Galileo, BeiDou
Tracking Sensitivity	-167 dBm
Acquisition Sensitivity	-148 dBm (cold start) -159 dBm (hot start)
Location Accuracy	~1.5m CEP Open Sky (SBAS 24 hours static)
Location Update Rate	4 Hz
 WIRELESS INTERFACES	
Bluetooth	BLE 4.2
 VEHICLE BUS	
Serial Interface	TTL
 ANTENNAS & SIM	
Cellular Antenna	Internal
GPS Antenna	Internal
SIM Access	Internal (2FF SIM)
 POWER	
Operating Voltage	12/24 VDC Vehicle Systems 9-30 VDC (start-up, operating) 7-32 VDC (momentary)
Power Consumption	Typical <400uA @ 12V (low power sleep) Typical <4mA @ 12V (sleep) Typical 25mA @ 12V (radio-active sleep) Typical 50mA @ 12V (GPS tracking and cell idle)
Battery Capacity	Up to 1000 mAh
Battery Technology	Lithium-ion (Li-ion)
Charging Temperature	0° to +45° C
 ENVIRONMENTAL	
Temperature	-30° to +60° C (connected to primary power) -10° to +60° C (operating on internal battery) -20° to +25° C ≤ 6 months (long term storage with battery)
Humidity	85% RH @ 50° C non-condensing
Shock & Vibration	MIL-STD-202G, MIL-STD-810F, SAE J1455
ESD	IEC 61000-4-2, 4 kV
Environmental Rating	IP41 in-cab use

 SENSORS	
Motion Sensor	3-axis accelerometer
 I/O	
Power / I/O Connector	20-Pin 3mm Pitch
Ignition Inputs	1 fixed bias
Digital Inputs	4 (high/low bias selectable 0-32 VDC)
Digital Outputs	3 (open collector relay 150mA)
Analog Inputs	1 (external ADC input 0-32 VDC)
Serial Interface	2 TTL ports
DC Power Outputs	1 (switched 3.3V)
1-Wire Interface	1 (driver ID/temperature sense)
Status LEDs	2 (GPS and Cellular)
 EDGE INTELLIGENCE	
Firmware	32-Bit
Edge Programming	PEG
 CLOUD / SOFTWARE SERVICES	
Device Management	Manage, configure, and deploy OTA software updates to connected assets at scale
CalAmp Telematics Cloud	Stream telematics data into proprietary systems with flexible API integration
CalAmp App	Fleet and asset management software for tracking, monitoring, and managing vehicles, equipment, drivers, assets, and cargo.
 CERTIFICATIONS	
Certifications	FCC, CE, IC, PTCRB, RoHS
 ACCESSORIES	
Accessories	Go to CalAmp.com for full accessories.