

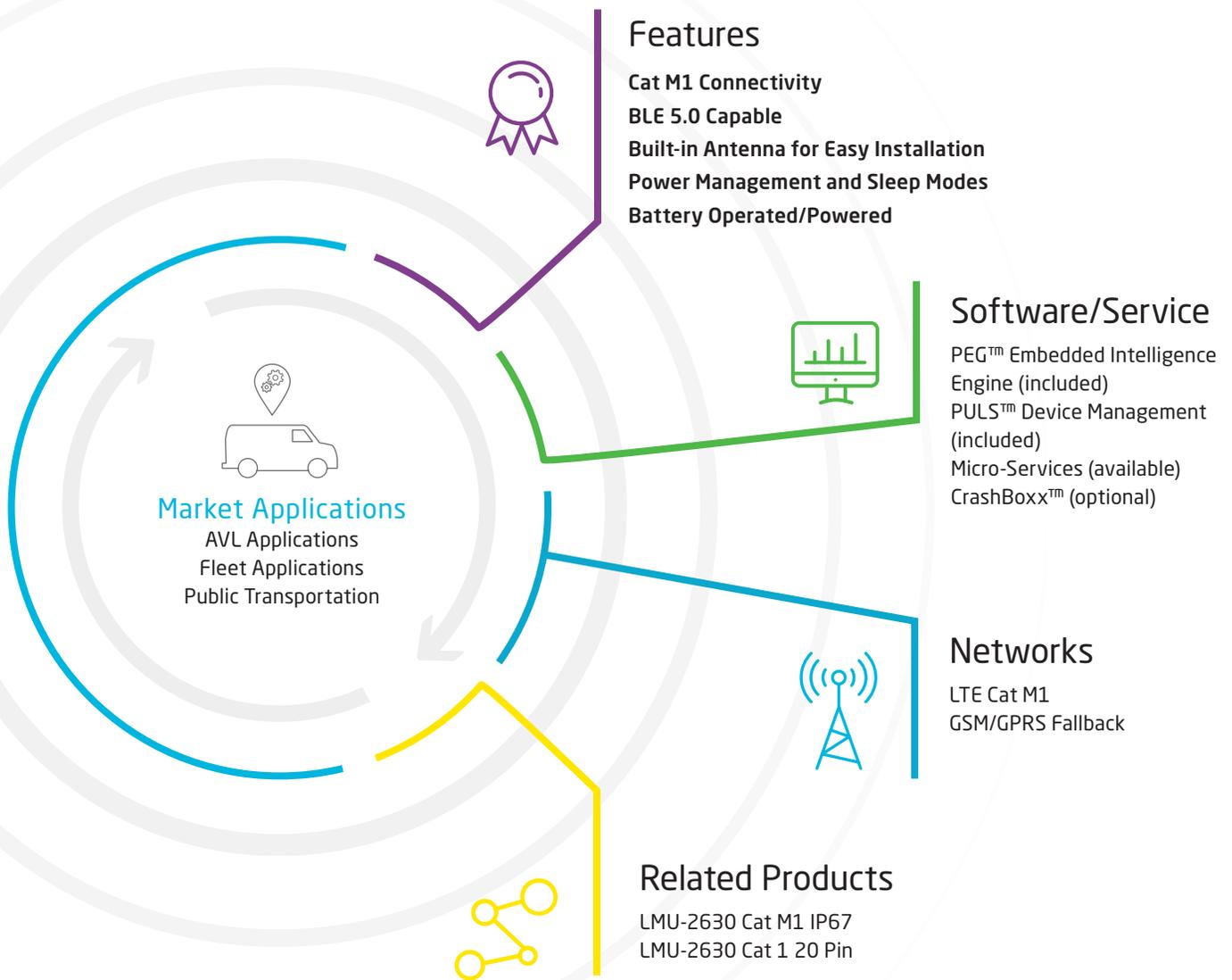
# LMU-2630™

CAT M1 | 20-Pin



## Leading Edge Fleet Tracker for Advanced Fleet Management with Extensive Capabilities

The LMU-2630™ Cat M1 is a fleet tracking device incorporating a powerful processing engine, Bluetooth Low Energy (BLE) 5.0 capable and built-in triple-axis accelerometer for measuring driver behavior and vehicle impact. Best suited for AVL and fleet applications.



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L2630MB20Q121D5 V1-B

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# LMU-2630™ Cat M1 Technical Specifications (20-Pin)

## Cellular/Network

<b>Global Variant</b> LTE Cat M1	2100 (B1)/1900 (B2)/1800 (B3)AWS 1700 (B4)/850 (B5/ B26)/900 (B8)/700 (B12/B13/B28)/800 (B18/B19/ B20)/1900 (B39/B25) MHz
GSM/GPRS	850/900/1800/1900 MHz

## Data Support

SMS, UDP Packet Data, TCP, CalAmp Telematics Cloud API

## Satellite Location (GNSS)

<b>Constellation Support</b>	Hybrid GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS)
<b>Channels</b>	55 Channel
<b>Tracking Sensitivity</b>	-167 dBm
<b>Acquisition Sensitivity</b>	-156 dBm (hot start) -148 dBm (cold start)
<b>Location Accuracy</b>	~2.0m CEP Open Sky (SBAS 24 hours static)
<b>Location Update Rate</b>	Up to 4 Hz
<b>AGPS Location assistance capable</b>	

## Comprehensive I/O

<b>Ignition Inputs</b>	1 fixed bias
<b>Digital Inputs</b>	4 (high/low bias selectable 0-32 VDC)
<b>Digital Outputs</b>	3 (open collector relay 150mA)
<b>Analog Inputs</b>	1 (external ADC input 0-32 VDC)
<b>Accelerometer</b>	Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)
<b>Serial Interface</b>	2 TTL ports
<b>DC Power Output</b>	1 (switched 3.3V)
<b>1-Wire® Interface</b>	1 (driver ID/temperature sense)
<b>Status LEDs</b>	2 (GPS and cellular)

## Interface Standards

<b>Bluetooth</b>	BLE 5.0 Capable
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## Wireless Interfaces

<b>BLE Antenna</b>	Internal
<b>Cellular Antenna</b>	Internal
<b>GPS Antenna</b>	Internal

## Electrical

<b>Operating Voltage</b>	12/24 VDC Vehicle Systems 9-30 VDC (start-up, operating) 7-32 VDC (momentary)
<b>Power Consumption*</b>	Typical <400uA @ 12V (low power sleep) Typical <4mA @ 12 V (sleep) Typical 25mA @ 12 V (radio-active sleep) Typical 50mA @ 12 V (GPS tracking and cell idle)

## Battery Pack

<b>Battery Capacity</b>	Up to 1000 mAh (Optional)
<b>Battery Technology</b>	Lithium-Ion
<b>Charging Temperature</b>	0° to +45° C

## Environmental

<b>Temperature</b>	-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)
<b>Humidity</b>	85% RH @ 50° C non-condensing
<b>Shock and Vibration</b>	U.S. Military Standards 202G, 810F, SAE J1455
<b>ESD</b>	IEC 61000-4-2 (4KV test)

## Physical/Design

<b>Dimensions</b>	3.7 x 2.0 x 0.8" (94 x 53 x 20 mm)
<b>Weight</b>	2.8 oz. (80 g) (w/ 1000 mAh Battery)

## Connectors/SIM Access

<b>Power, I/O</b>	20-Pin 3mm Pitch
<b>SIM Access</b>	Internal (2FF SIM)

## Certifications

<b>Industry Certifications</b>	FCC, CE, IC, PTCRB, RoHS
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## Embedded Intelligence Engine

<b>PEG™</b>	Update device functionality or develop new on the edge applications
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## Device Management

<b>PULS™</b>	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
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\* PEG™ Configuration Options

## CALIFORNIA PROPOSITION 65



### WARNING:

This product can expose you to chemicals including Carbon black and Nickel, which are known to the State of California to cause cancer, and including Bisphenol A and 1,3-Butadiene, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)