

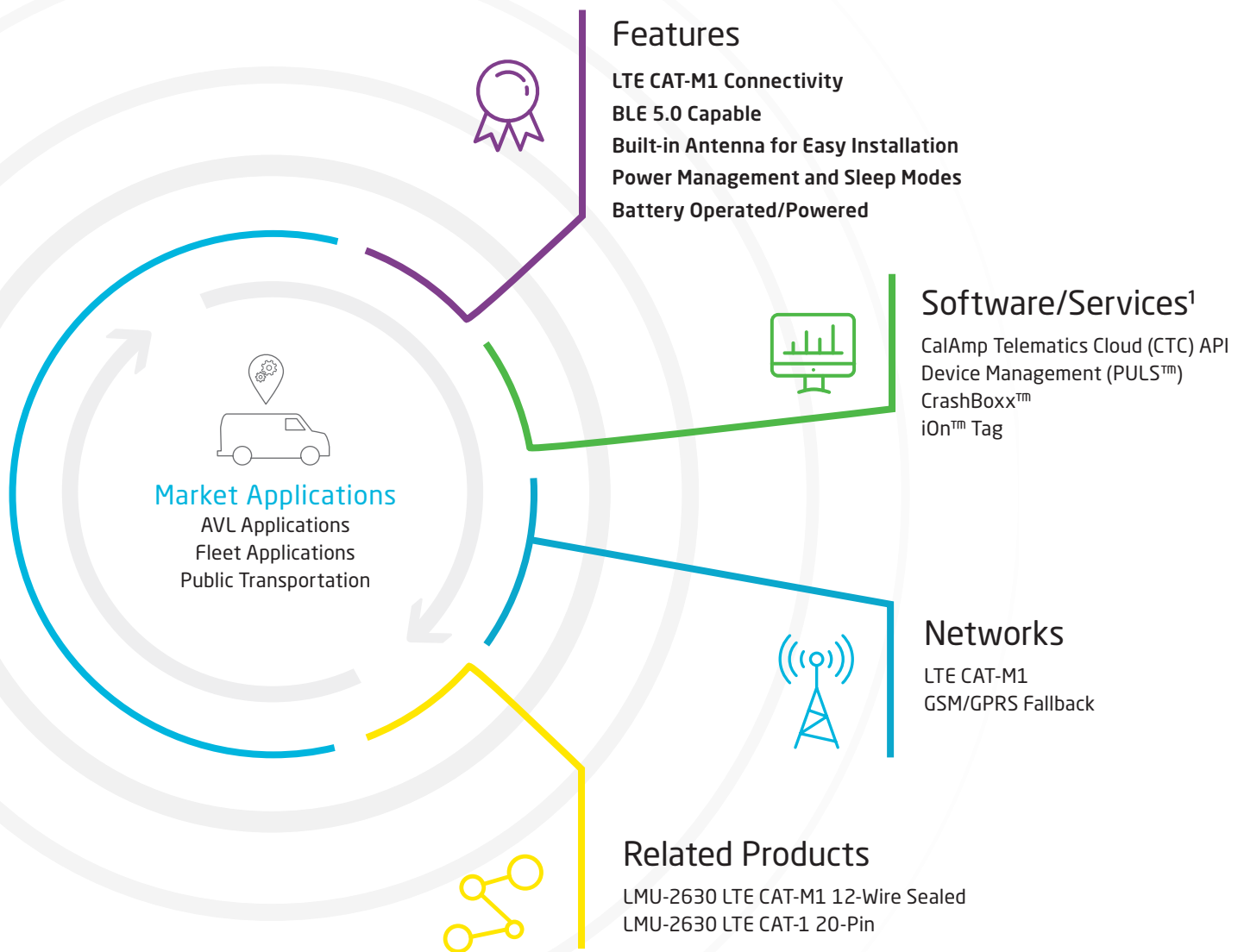
LMU-2630™

LTE CAT-M1 | 20-Pin



Leading Edge Fleet Tracker for Advanced Fleet Management with Extensive Capabilities

The LMU-2630™ LTE CAT-M1 20-Pin 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.



L2630MB20Q121DS V12-C

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¹ Subscription service enabled. Contact sales rep for additional details.

Cal/Amp®

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LMU-2630™ LTE CAT-M1 | 20-Pin Technical Specifications

Cellular/Network

Global Variant 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

Satellite Location (GNSS)

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

Comprehensive I/O

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)
Accelerometer	Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)
Serial Interface	2 TTL ports
DC Power Output	1 (switched 3.3V)
1-Wire® Interface	1 (driver ID/temperature sense)
Status LEDs	2 (GPS and cellular)

Interface Standards

Bluetooth BLE 5.0 Capable

Wireless Interfaces

BLE Antenna	Internal
Cellular Antenna	Internal
GPS Antenna	Internal

* PEG™ Configuration Options

† Subscription service enabled. Contact sales rep for additional details.

Electrical

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 Pack

Battery Capacity	Up to 1000 mAh (Optional)
Battery Technology	Lithium-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 and Vibration	U.S. Military Standards 202G, 810F, SAE J1455
ESD	IEC 61000-4-2 (4KV test)

Physical/Design

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

Connectors/SIM Access

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

Certifications

Industry Certifications FCC, CE, IC, PTCRB, RoHS

Edge Intelligence¹

PEG™ Update device functionality or develop new on the edge applications

Cloud/Software Services¹

PULS™	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
CTC	Device data stream via RESTful APIs

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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