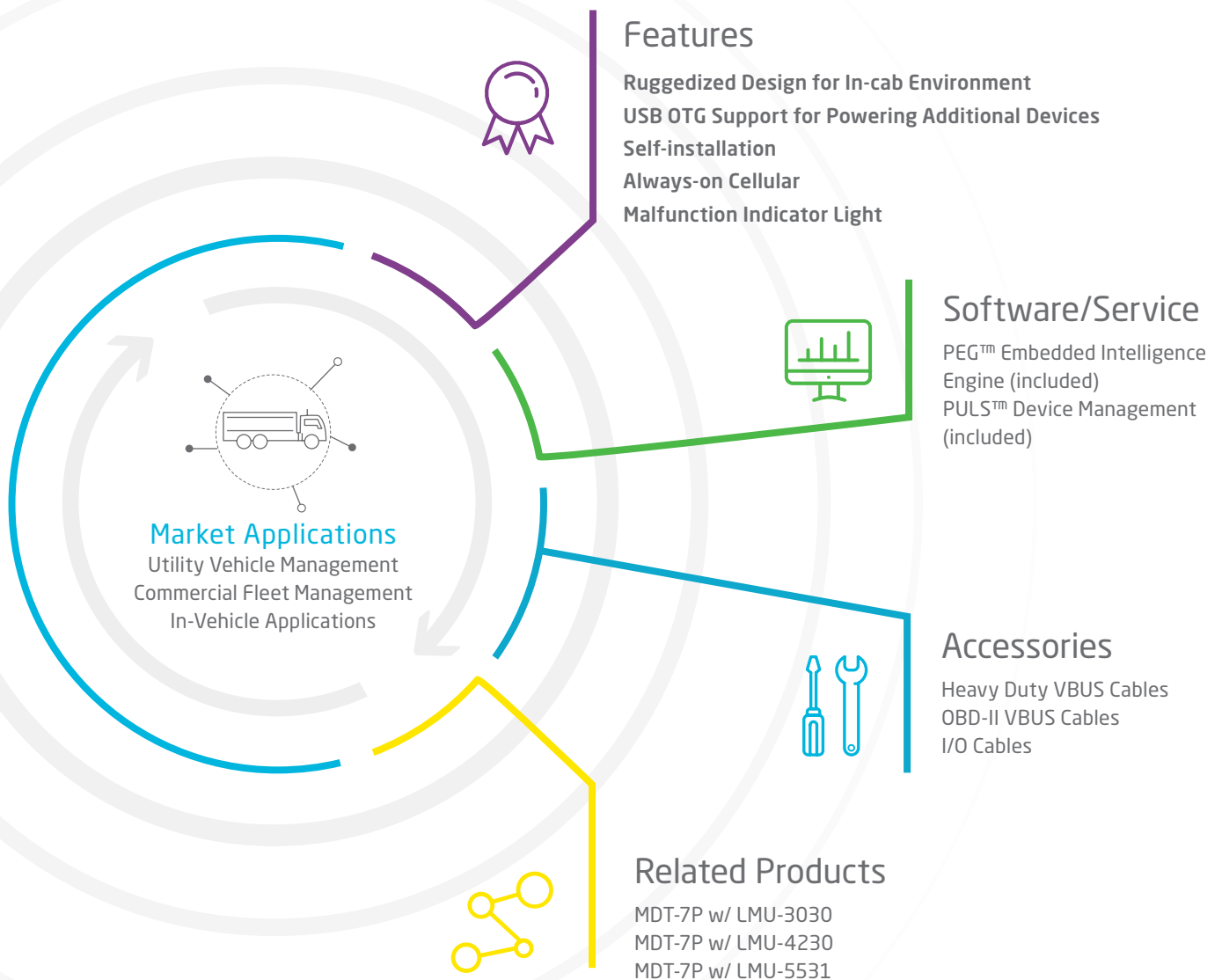


# V-Series™



## A Turnkey In-Vehicle Telematics Solution Kit

The V-Series™ is a three-part kit that includes a removable Android MDT-7P™ tablet, VDK-3641 embedded telematics capable device and cable connectors. A convenient and reliable software-agnostic solution enhanced with LTE Cat 1 to meet in-vehicle telematics needs.



# V-Series™ Technical Specifications

## Cellular/Network

<b>North American Variant I</b>	
LTE Cat 1	1900 (B2)/AWS (B4)/850 (B5)/700 (B12) MHz
HSPA/UMTS	850 (V)/1900 (II) MHz
<b>North American Variant II</b>	
LTE Cat 1	AWS 1700 (B4)/700 (B13) MHz

## Data Support

SMS, TCP, UDP, CalAmp Telematics Cloud API

## Satellite Location (GNSS)

<b>Constellation Support</b>	Hybrid GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS, GAGAN)
<b>Channels</b>	50+ Channel
<b>Acquisition Sensitivity</b>	-162 dBm
<b>Location Accuracy</b>	~2.0m CEP Open Sky (GPS SBAS 24 hours static)
<b>AGPS Capable</b>	-148 dBm
<b>Geo-Fence</b>	32 radial and 32 polygonal geo-fences on-board device
<b>Location Update Rate</b>	1 Hz

## Certifications

**Industry Certifications** FCC, IC, PTCRB, RoHS

## MDT-7P™ Android Tablet Features

<b>Display</b>	7" 1024 x 600 TFT LCD
<b>Aspect Ratio</b>	16:9
<b>Operating System</b>	Android™ 5.0 (Lollipop)
<b>Processor</b>	1GB DDR3 Internal RAM
<b>Memory and Storage</b>	8GB Internal ROM Expandable Micro SD Card Slot (up to 32GB)
<b>Speaker</b>	-40dBV sensitivity
<b>Microphone</b>	120Hz-10kHz, 80Hz-10kHz
<b>Cameras</b>	2m pixel with 6 IR LEDs (Front) 5m pixel (Back)

For full MDT-7P™ specifications visit: [www.calamp.com/products/fleet-tracking-units/mdt-7p](http://www.calamp.com/products/fleet-tracking-units/mdt-7p)

## Device Management

**PULS™** Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely

## Embedded Intelligence Engine

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

## Electrical

<b>Operating Voltage</b>	9-30 VDC (start-up, operating) 8-32 VDC (momentary)
<b>Power Consumption</b>	Typical 0.5mA @ 12 V (deep sleep) Typical 100mA @ 12V (idle on network with VBUS active)

## Battery Pack

<b>Battery Capacity</b>	Up to 200 mAh
<b>Battery Technology</b>	Lithium-Ion

## Environmental

<b>Temperature</b>	-30° to +75° C (connected to primary power)
<b>Humidity</b>	95% RH @ 50° C non-condensing
<b>Shock and Vibration</b>	U.S. Military Standards 202G, SAEJ1455
<b>ESD</b>	SAEJ1113-13 (4KV Limit)

## Physical/Design

<b>Dimensions</b>	6.1 x 8.2 x 1.6" (156 x 209 x 41 mm)
<b>Weight</b>	6.28 oz. (178 g)

## Connectors/SIM Access

<b>External Cellular Antenna</b>	6-Pin Connector
<b>I/O Connection</b>	16-Pin Connector
<b>SIM Access</b>	External
<b>Vehicle Bus Option</b>	

## Interface Standards

<b>Heavy Duty Truck Data</b>	J1939, J1708
<b>Light Duty Vehicle Data</b>	J1850 PWM, J1850 VPW ISO 9141-2, KWP 2000, ISO 15765 CAN

## Product Options

6-Pin connector (for power + debug)
16-Pin extension cable (2m length)
Screw mounting bracket
Customized hardware and software development