

V-Series™

Three-Part Versatile Telematics Solution

Cal/Amp®



CalAmp's V-Series is a three-part, self-install bundle that includes a removeable, rugged Android tablet, market-unique cradle with embedded telematics capable device and LED malfunction indicator and easily integrated with applications, such as Hours of Service applications. The V-Series is a convenient and reliable solution to meet in-vehicle telematics needs.

Experience The Advantage

- Self-install option
- Always-on cellular , not controlled by driver
- Mounted cellular radio means less hassle and cost for replacement tablets
- Malfunction Indicator light
- Equipment monitoring and alerts
- Fewer connections, fewer points of failure
- Support of ECU protocol challenges
- Portfolio of OBD and JBus cable connector options
- System data connectivity: engine, GPS, tablet, bluetooth, cellular (UDP & TCP)
- Ruggedized design for in-cab environment
- Over-the-air update of your Android applications (APKs) via PULS
- USB OTG support for powering additional devices

Flexibility And Ease Of Use

The bundle is designed to be flexible, with easy connectivity to the vehicle ECU via a broad portfolio of light and heavy-duty vehicle connector options. Android applications designed to take full advantage of CalAmp hardware can be updated remotely over the air using PULS™ technology.

Convenient Turnkey Telematics Solution

The V-Series solution is hard-wired to connect to the engine via the JBus communications device, a tablet, and a cradle with a malfunction indicator light for ELD compliance applications. The solution is software-agnostic and can run with many Android HoS applications.

CalAmp's single turnkey solution means that any adjustments or issues can be handled without the need to deal with multiple vendors. This device is designed to comply with the FMCSA Electronic Logging Device (ELD) mandate as well as a wide array of navigation and AVL solutions. For telematics service providers and others that provide solutions for the transportation industry, CalAmp's V-Series Bundle hardware offering is the logical choice.

Over-The-Air Serviceability

The V-Series also leverages CalAmp's management and maintenance system, PULS™ (Programming, Updates, and Logistics System), for over-the-air configuration parameters, PEG rules and firmware. This out-of-the-box hands free configuration and automatic post-installation upgrades can monitor unit health status across your fleets to identify issues before they become expensive problems.

V-Series Specifications

General

Network Technologies	LTE/UMTS/HSPA
Messages	20,000 Buffered Messages
Geo-Fence	32 radial and 32 polygonal geo-fences on-board device
Configuration	User definable automatic over-the-air firmware and configuration updates via PULS™

GPS

Location Technology	SBAS	50+ Channel GPS, GLONASS
Tracking Sensitivity	Acquisition	SBAS: WAAS, EGNOS, MSAS, GAGAN
Sensitivity	Location Accuracy	-162 dBm
AGPS	capable	-147 dBm
		2.0m

Cellular/Bands

Data Support	LTE/UMTS/HSPA/GPRS
Operating Bands (MHz)	
North American Variant:	
4G LTE	Bands 4 and 13/Bands 2, 4, 5 and 12
3G UMTS/HSPA	FDDII, and V
LTE data class	Category 1 3GPP Release 9

Comprehensive I/O

Digital Ignition Inputs	1 fixed bias
Status LED's	GPS, cellular, VBU, Red and Green for ELD

Certifications

FCC, IC, PTCRB, Applicable Carriers

Environmental

Temperature	-30° to +75° C (connected to primary power)
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
Material	RoHS Compliant

Electrical

Operating Voltage	9-30 VDC (start-up, operating)
	8-32 VDC (momentary)
Power Consumption	0.5 mA @ 12 V (deep sleep)
	100 mA @ 12V (idle on network with VBUS active)
Back-Up Battery	Lithion-Ion 200 mAh

Physical

Dimensions	6.1" x 8.2" x 1.6", (156 x 209 x 41mm)
Weight	6.28oz, (178 g)

Connectors, SIM Access

SIM Access	External
External Cellular Antenna	
I/O Connection	6-Pin Molex
Vehicle Bus Option	16-Pin Molex

Product Options

Customized hardware and software development available on request.
6 Pin Connector (for power + debug)
16 Pin Extension Cable (2m length)
Screw mounting bracket

About CalAmp

CalAmp (NASDAQ: CAMP) is a telematics pioneer leading transformation in a global connected economy. We help reinvent businesses and improve lives around the globe with technology solutions that streamline complex IoT deployments and bring intelligence to the edge. Our software applications, scalable cloud services, and intelligent devices collect and assess business-critical data from mobile assets, cargo, companies, cities and people. We call this The New How, powering autonomous IoT interaction, facilitating efficient decision making, optimizing resource utilization, and improving road safety. CalAmp is headquartered in Irvine, California and has been publicly traded since 1983. Lojack is a wholly owned subsidiary of CalAmp. For more information, visit calamp.com, or LinkedIn, Twitter, YouTube or CalAmp Blog.

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