

Vanguard 600™

Broadband 4G LTE Cellular Router

Cal/Amp®



Experience The Advantage

- Secure broadband LTE CAT-1 performance, with reliable 3G fallback for always-on connectivity
- Ethernet connectivity to simplify remote access support for a wide array of devices
- Multi-function, multiport Ethernet and I/O in one package
- Streamlined packaging to simplify integration
- Open Developer Platform partitioned flash and API for custom applications
- Cloud ready for fast deployments and easy configuration with DeviceOutlook™

Simple Install. Cloud Ready. Application Enabled.

The Vanguard 600™ is an economical industrial Ethernet router designed with a sleek compact form factor to provide reliable, secure cellular backhaul for enterprise solutions, smart infrastructure connectivity or fixed remote site applications requiring reliable primary, temporary or back up internet connectivity.

Fast & Secure

The Vanguard 600™ combines next generation 4G LTE CAT-1 cellular technology with 3G fallback for reliable and future-proof fixed asset monitoring and control. This ready-to-deploy broadband router enables wireless data connectivity for two LAN ports over public cellular networks at 4G speeds with strong, Enterprise-grade security (IPSec, VPN, WPA-2) to protect against external threats.

Flexible

The Vanguard 600™ seamlessly integrates with DeviceOutlook™, CalAmp's cloud-based enterprise-grade device management and control application, which supports over-the-air deployments and automated provisioning of custom configurations when devices initially connect to the network. Included with the Vanguard 600™ is CalAmp's Open Developer Platform (ODP) allowing customers to build intelligence into the Vanguard to support custom markets and application specific needs. The combination of ODP and Device Outlook, provide a simple to install and easy to manage connectivity solution which provides reliable connectivity for critical assets, Smart Cities infrastructure and any other Ethernet enabled device. This single, flexible platform addresses a variety of wireless communications needs with secure, over-the-air configuration and system monitoring to reduce operating and support costs.

Vanguard 600™ Specifications

General

Diversity Support	Rx Diversity for 3G and MIMO support for LTE
Security	IPsec, GRE Tunneling, PPTP VPN RADIUS Client, HTTPS web server, OpenVPN
Router	MAC Filtering, DMZ, Dynamic DNS
Device Management	SNMP, HTTP embedded web server
Certifications	MIL810 Thermal/Shock/Vibe/Humidity, RoHS 2

Connectors/Interface

LED Indicators	RSSI, SVC, NET
Power	4-pin locking connector
Ethernet	Dual 10/100 Mbps RJ-45, auto MDIX, auto-negotiate, & activity LED
Primary Antenna	50 Ohm SMA Female
RX Diversity Antenna	50 Ohm SMA Female

Cellular/Bands

Operating Bands (MHz)	
LTE CAT-3	Dual-Band 700/1900 Downlink 100 Mbps; Uplink 50 Mbps
EVDO/CDMA 1x	800 Cellular/1900 PCS EVDO Downlink 3.1 Mbps; Uplink 1.8 Mbps
LTE CAT-1	Quad-band 700/850/AWS [1700/2100]/1900 Downlink 10.0 Mbps, Uplink 5.0 Mbps
HSPA	AWS/(1700/2100)1900 Downlink 7.2 Mbps, Uplink 2.0 Mbps

Electrical

Input Voltage	9-32 VDC
TX Power @13.8 VDC	350 mA
RX Power @13.8 VDC	130 mA

Environmental

Temperature	-30° to +70° C (connected to primary power)
Humidity	-22° to +158° F (storage) 5% to 95% non-condensing

Physical

Dimensions	5.8 x 4.0 x 1.2" (146 x 102 x 40 mm)
Weight	8.0 oz (227 g)

Comprehensive I/O

Digital Inputs	2
Digital Outputs	2
Analog Inputs	2

Cal/Amp® DeviceOutlook™

DeviceOutlook Provides:

Configuration Management

- Track firmware versions
- Configure all devices simultaneously from a single location
- Schedule OTA firmware and ODP upgrades with account management options and user defined groups

Remote Device Management and Tracking

- Locate and monitor the state, condition and utilization of mobile devices

Faster Deployments & Improved ROI

- Reduce costs
- Faster deployment
- Minimize infrastructure
- Reduce support
- Eliminate capital costs

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.