

EMEA (EUROPE MIDDLE EAST AND AFRICA)

Vanguard 5530™

Broadband 4G LTE Cellular Router



ONE RUGGED DEVICE. CLOUD-READY. SMART VEHICLE TECHNOLOGY.

The CalAmp Vanguard 5530 offers an all-in-one mobile communications solution for industrial, utility, transportation and enterprise applications. This multi-function cellular router features high-speed, secure LTE broadband wireless connectivity in a rugged industrial design, with optional Wi-Fi and high-precision GPS for mobile applications.

Fast & Secure

The Vanguard 5530 offers fast 4G LTE cellular broadband technology integrated with extensive routing capability, delivering robust connectivity and secure high speed data transfer for a broad array of devices and applications. This ready-to-deploy broadband router enables wireless data connectivity for up to two LANs and one serial device over public cellular networks at 4G speeds with strong, enterprise-grade security (IPSec, VPN, WPA-2) to protect against external threats.

Flexible

CalAmp's vehicle-grade router support a true vehicle area network, where the vehicle is enabled as a secure digital hub with a Wi-Fi access point or client and precision GPS. CalAmp's proven Smart Vehicle Technology enables advanced vehicle telematics applications. The internal accelerometer and optional vehicle bus integration, delivers a flexible vehicle solution that can be used to access vehicle parameters, enable crash notifications, driver behavior, and predictive maintenance alerts.

The Vanguard 5530 provides reliable connectivity for Programmable Logic Controllers (PLCs), Remote Terminal Units (RTUs) and any other Ethernet or serial device. This single, flexible platform addresses a variety of wireless communications needs with serial to IP conversion (RS232/485), over-the-air (OTA) configuration and system monitoring to reduce operating and support costs.

The CalAmp Vanguard 5530 runs in conjunction with DeviceOutlook, an intuitive device configuration software that optimizes router performance. With a straightforward interface and the powerful DeviceOutlook management platform, this widely-deployed wireless solution delivers effective performance and rich, field-proven software capabilities out of the box. To extend the Vanguard 5530 capabilities even further, OEMs and developers can create custom applications, using CalAmp's Programable Event Generator (PEG) and Open Developer Platform (ODP) to customize solutions.



Experience The Advantage

- Secure LTE broadband wireless connectivity, with reliable 3G fallback for always-on connectivity
- Smart Vehicle Technology to enable telematics applications, with built-in accelerometer for situational awareness and driver behavior
- Cloud-ready for fast deployments and easy configuration with DeviceOutlook
- Multi-function, Cellular WAN, WLAN, multiport Ethernet, I/O, and vehicle BUS in one package
- Hotspot/captive portal features for commuter Wi-Fi
- Open Developer Platform (ODP) for custom applications to facilitate data-driven responsiveness
- Full array of I/O and serial ports for SCADA and industrial applications

VANGUARD 5530 SPECIFICATIONS - INTERNATIONAL

GENERAL

Input Voltage	9 to 32 VDC
TX Power @13.8 VDC	350 mA (500 mA Mobile SKU)
RX Power @13.8 VDC	130 mA (240 mA Mobile SKU)
Diversity Support	Rx Diversity
Security	IPsec, GRE Tunneling, PPTP VPN RADIUS Client, HTTPS web server
Router	MAC Filtering, DMZ, Dynamic DNS
Device Management	SNMP, HTTP embedded web server
Certifications	CE Mark, MIL810 Thermal/Shock/ Vibe/Humidity, RoHS 2
Dual-SIM	External spring-loaded quick release and Internal (Secure)

CONNECTORS/INTERFACE

LED Indicators	RSSI, SVC, NET, GPS, AUX
Power	4-pin locking connector
Ethernet	Dual 10/100 Mbps RJ-45, auto MDIX, auto-negotiate, & activity LED
Serial	EIA-232F DE9 Female DCE, up to 115Kbps
I/O	7 digital inputs, 5 digital outputs, 4 analog inputs, 2 1-wire bus interfaces Ignition sense with timers
Primary Antenna	50 SMA Female
RX Diversity Antenna	50 Ohm SMA Female
GPS Antenna (Active)	50 Ohm SMA Female (optional)
WLAN/WPAN Antenna	50 Ohm RP-SMA Female (optional)

MECHANICAL/ENVIRONMENTAL

Dimensions	4.5 (L)x6.0 (W)x1.9 (H) in, 11.4 x 15.2 x 4.8 cm
Weight	2.5lb, 1.13 kg
Temperature Range	-40° to +85° C, -40° to +185° F ^[1]
Humidity	5% to 95% non-condensing

LTE TECHNOLOGY/BANDS

LTE	Five-band 800/900/1800/2100/2600 MHz LTE 3GPP Release 9 (FDD) Cat. 3 DL/UL max: 100 Mbps / 50 Mbps
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GSM TECHNOLOGY/BANDS

UMTS/HSPA	Triple-band 900/1800/2100 MHz HSPA+ 3GPP release 8 DL Cat. 24 / UL Cat. 6 Dual Carrier DL/UL max: 42 Mbps / 5.76 Mbps
EDGE/GPRS	Dual-band 900/1800 MHz EDGE 3GPP release 6 Class 12 DL: max. 237 kbps, UL: max. 237 kbps GPRS Class 12 DL: max. 85,6 kbps, UL: max. 85,6 kbps

WLAN TECHNOLOGY/BANDS

WLAN 802.11 b/g/n	2412-2462 MHz (25 Clients)
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[1] Ambient temperature (UL C1D2 range remains -30 to 0)



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 proven leader in providing wireless communications solutions to a broad array of vertical market applications and customers. CalAmp's extensive portfolio of intelligent communications devices, robust and scalable cloud service platform, and targeted software applications streamline otherwise complex machine-to-machine (M2M) deployments. These solutions enable customers to optimize their operations by collecting, monitoring and efficiently reporting business-critical data and desired intelligence from high-value remote assets. For more information, please visit www.calamp.com.

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