



Vanguard 5530™

Broadband 4G LTE Cellular Router

ONE RUGGED DEVICE. CLOUD READY. APPLICATION ENABLED.

Designed for enterprise, industrial and mission critical applications, the CalAmp Vanguard 5530 router offers an all-in-one mobile communications solutions with high-speed, secure LTE broadband wireless connectivity. This multi-function cellular router features a rugged industrial design, with optional WiFi and high precision GPS for mobile applications.

Fast & Secure

The Vanguard 5530 full-featured router offers the fastest cellular broadband technology integrated with extensive routing capability delivering robust connectivity and high speed data transfer. This ready to deploy broadband router enables wireless data connectivity for up to two LAN and one serial device over public cellular networks at 4G speeds, delivering quick connectivity with a broad array of devices and applications, providing an intelligent solution.

Providing strong, Enterprise grade security (IPSec, VPN, WPA-2) to protect against external threats in a rugged industrial-grade package developed for the most demanding applications, the Vanguard 5530 packs the right combination of high value features in one package to address the speed and security needs in industrial, utility, transportation and enterprise settings.

Flexible

This device is a complete intelligent system that works in both mobile and fixed environments for a broad assortment of real-time applications. An optional, built-in WiFi access point also allows your tethered devices to remain connected even when you leave the vehicle.

Equipped for a broad range of fixed applications, Vanguard 5530 provides reliable connectivity for Programmable Logic Controllers (PLCs), Remote Terminal Units (RTUs), or any other Ethernet or serial device. This single, flexible platform addresses a variety of wireless communications needs with serial to IP conversion, over-the-air configuration and system monitoring for optimal connectivity reducing operating and support costs.

Vanguard 5530 is easy to deploy and set up, delivering rapid time to market, with a straightforward interface and a powerful device management platform, Vanguard delivers effective performance out of the box, couple with remote connectivity to maintain optimal performance over its lifetime. This widely deployed wireless solution delivers rich field proven software capabilities. To extend the Vanguard 5530 capabilities even further, today or tomorrow, OEM and developers may tailor the Vanguard by loading custom application using Open Developer Platform (ODP) features enabling applications with access to local hardware and software services to facilitate distributed data analysis and faster decision making at the edge of the network.



Experience The Advantage

- Secure broadband LTE performance, with robust always-on connectivity
- WLAN extends connectivity to smart devices, coupled with GPS to support situational awareness for mobile applications
- Cloud-ready, DeviceOutlook enabled, delivering fast deployment and easy configuration
- Supports multi-function, Cellular WAN, WLAN, multiport Ethernet and I/O in ruggedize design for a long service life
- Open Developer Platform runs custom applications that facilitate improved data-driven responsiveness
- Full array of I/O and serial port for use in SCADA and industrial applications

VANGUARD 5530 SPECIFICATIONS

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
Router	MAC Filtering, DMZ, Dynamic DNS
Device Management	SNMP, HTTP embedded web server
Certifications	Military Specs, Hazardous Env

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 optional 3 axis MEMs accelerometer
Primary Antenna	50 Ohm SMA Female
RX Diversity Antenna	50 Ohm SMA Female
GPS Antenna	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	-30° to +70° C, -22° to +158° F
Humidity	5% to 95% non-condensing

LTE TECHNOLOGY/BANDS

LTE CAT 3	Quad-band 700/850/AWS[1700/2100]/1900 MHz Downlink 100 Mbps; Uplink 50 Mbps
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GSM TECHNOLOGY/BANDS

UMTS/HSPA	Quad-band 850/900/1900/2100 MHz Downlink 7.2 Mbps, Uplink 2.0 Mbps
EDGE/GPRS	Quad-band 850/900/1800/1900 MHz Downlink 236 kbps, Uplink 236 kbps
WLAN 802.11 b/g	2412-2462 MHz
WPAN 802.15.1	2402-2480 MHz

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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