



Airline

Products and Solutions to Power Your Ideas

CalAmp®

Communicate to your equipment anywhere in the world as if you were hard wired.

NO firewalls. NO IT Department security issues.

Communicates to your
PLC/PAC/PC using any
Ethernet protocol.



Vanguard 3000™
Wireless LAN/WAN/Cellular Router with GPS

Worldwide connectivity for under \$900
vs. \$550 average plane ticket cost (continental US)
which does not include a single minute of your time!

Vanguard 3000™

MULTICARRIER 3G CELLULAR ROUTER

Uniquely designed for operation on both GSM and CDMA networks, Vanguard 3000 is a ready-to-deploy broadband router which provides reliable connectivity for Programmable Logic Controllers (PLCs), Remote Terminal Units (RTUs), Ethernet web cameras or any other Ethernet or serial device. Equipped for a broad range of fixed applications, this widely deployed wireless solution delivers countless software capabilities. OEMs may tailor the Vanguard by loading their application on the Open Developer Platform (ODP), allowing a Linux application to run on a partition of the embedded Linux operation system.

Contact Ken Fogel at (610) 733-6304 to learn more.

Experience the Advantage

- Multiple carriers in a single device
- Auto redial for always-on connection
- GRE tunneling, local IP, IPsec, VPN client and WAN gateways
- Optional 16-channel GPS receiver for mobile applications
- Optional WiFi client and access point
- High-speed video capability via resident ethernet connection

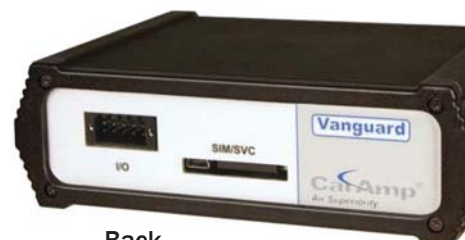
Vanguard 3000™ Specifications

GENERAL

Input Voltage	9 to 28 VDC
TX Power @13.8 VDC	350 mA (500 mA with Wi-Fi)
RX Power @13.8 VDC	130 mA (500 mA with Wi-Fi)
Diversity Support	Rx Diversity
Security	IPsec, GRE Tunneling, PPTP VPN, RADIUS Client
Router	MAC Filtering, DMZ, Dynamics DNS
Device Management	SNMP, HTTP embedded web server
Certifications	PTCRB Approval Carrier certification on Verizon, AT&T, Sprint, Rogers and Vodafone CE Mark A-Tick UL Class 1 Div 2 for Hazardous Environments



Front



Back

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 I/O	EIA-232F DE9 Female DCE, up to 115kbps 2 digital inputs/outputs, 2 analog inputs, 2 outputs (relay driven contact closures)
Primary Antenna	50 Ohm SMA Female
RX Diversity Antenna	50 Ohm SMA Female
GPS Antenna	50 Ohm SMA Female (optional)
Wi-Fi Antenna	50 Ohm RP-SMA Female (optional)

MECHANICAL/ENVIRONMENTAL

Dimensions	4.3 (L) x 6.0 (w) x 1.8 (h) in, 10.9 x 15.25 x 4.5 cm
Weight	2.5 lb, 1.13 kg

CDMA TECHNOLOGY/BANDS

EVDO Rev A (IS-856-A)	800 MHz Cellular/1900 MHz PCS/2100 Downlink 3.1 Mbps; Uplink 1.8 Mbps
1xEVDO Rev 0 (IS-856)	800 MHz Cellular/1900 MHz PCS/2100 Downlink 2.4 Mbps; Uplink 153.6 kbps
1xRTT (IS-2000)	800 MHz Cellular/1900 MHz PCS Downlink 153.6 kbps; Uplink 153.6 kbps

GSM TECHNOLOGY/BANDS

UMTS/HSPA	Five-band 850/900/1900/2100/AWS Downlink 7.2 Mbps, Uplink 2.0 Mbps
EDGE/GPRS	Quad-band 850/900/1800/1900 MHz Downlink 236 kbps, Uplink 236 kbps

**IN STOCK
AT AIRLINE**

PART NUMBER	DESCRIPTION	MSRP
140-7230-110	VANGUARD 3000 - MULTI-CARRIER 3G CELLULAR ROUTER, GPS & WIFI	\$875.00
140-7230-000	VANGUARD 3000 - MULTI-CARRIER 3G CELLULAR ROUTER	\$650.00

For more information, please contact:

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