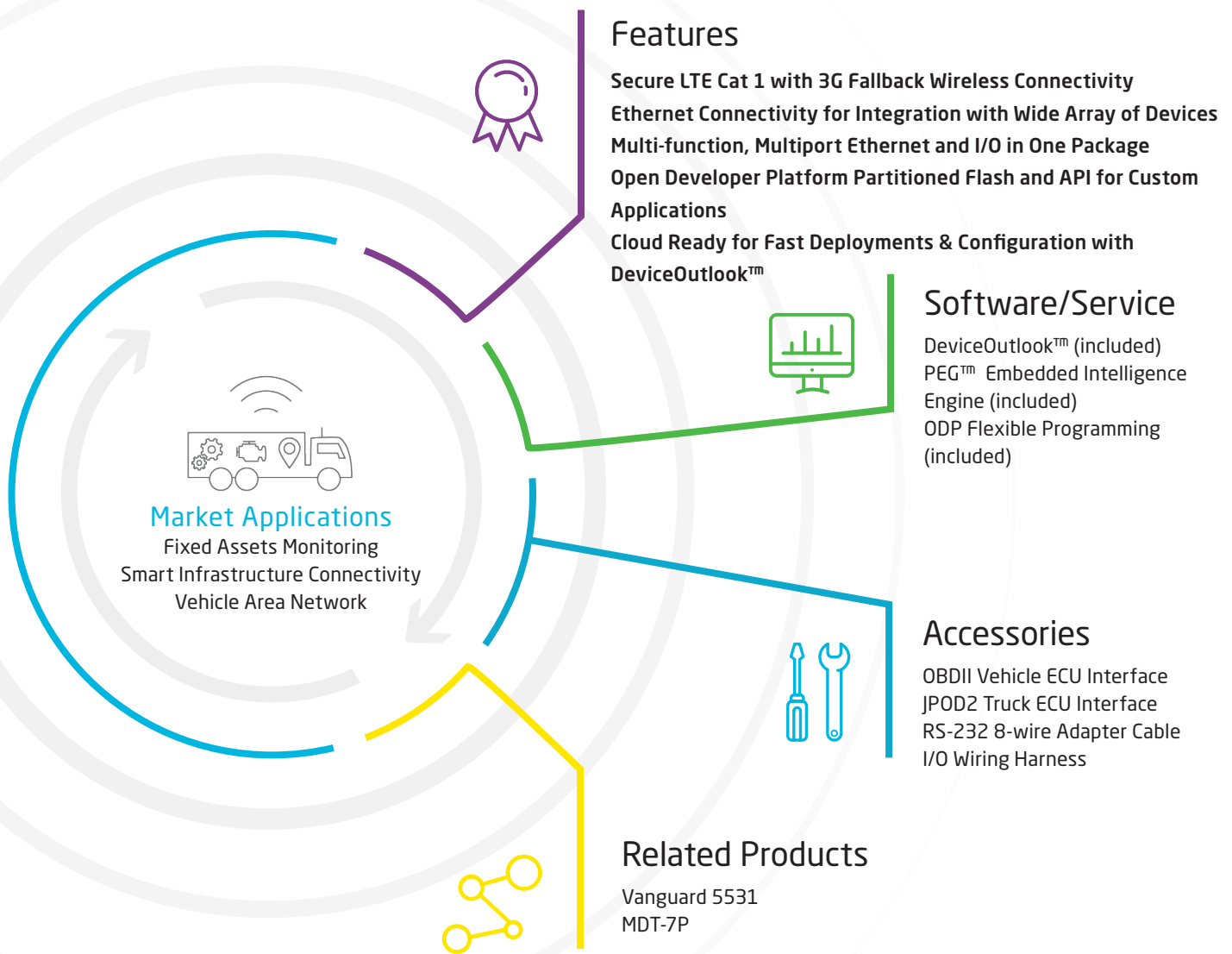# Vanguard 600™

All-In-One Mobile Communication and Connectivity Solution.
Simple Install, Cloud Ready and Application Enabled

The Vanguard 600™ is an industrial Ethernet router with a sleek compact design form factor to provide reliable, secure cellular backhaul for enterprise solutions, smart infrastructure connectivity or fixed remote site applications. Built with LTE Cat 1 network technology to enable a reliable primary, temporary or back up internet connectivity.

Features

Secure LTE Cat 1 with 3G Fallback Wireless Connectivity
Ethernet Connectivity for Integration with Wide Array of Devices
Multi-function, Multiport Ethernet and I/O in One Package
Open Developer Platform Partitioned Flash and API for Custom Applications
Cloud Ready for Fast Deployments & Configuration with DeviceOutlook™

Software/Service

DeviceOutlook™ (included)
PEG™ Embedded Intelligence Engine (included)
ODP Flexible Programming (included)

Market Applications
Fixed Assets Monitoring
Smart Infrastructure Connectivity
Vehicle Area Network

Accessories

OBDII Vehicle ECU Interface
JPOD2 Truck ECU Interface
RS-232 8-wire Adapter Cable
I/O Wiring Harness

Related Products

Vanguard 5531
MDT-7P

Vanguard 600™ Technical 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

Cellular/Network

North American Variant I	
LTE Cat 1	700 (B12)/850 (B5)/AWS 1700 (B4)/1900 (B2)
HSPA/UMTS	850 (V)/AWS 1700 (IV)/1900 (III)

North American Variant II	
LTE Cat 3	B2 (1900)/B4 (AWS 1700)/B5/B25 (850)/B13/17 (700) MHz
HSPA/UMTS	2100 (I)/1900 (II)/AWS 1700 (IV)/850 (V)/900 (VIII) MHz
GSM/GPRS	850/900/1800/1900 MHz

Connectors/Interface

LED Indicators	RSSI, SVC, NET
Power	4-Pin lock 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

Comprehensive I/O

Digital Inputs	2
Digital Outputs	2
Analog Inputs	2

Embedded Intelligence Engine

PEG™	Update device functionality or develop new on the edge applications

Certifications

Industry Certifications	MIL810 Thermal/Shock/Vibe/Humidity, RoHS 2

Electrical

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

Environmental

Temperature	-30° to +70° C (connected to primary power)
	-22° to +158° C (storage)
Humidity	95% RH @ 50° C non-condensing

Physical/Design

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

CalAmp DeviceOutlook™

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