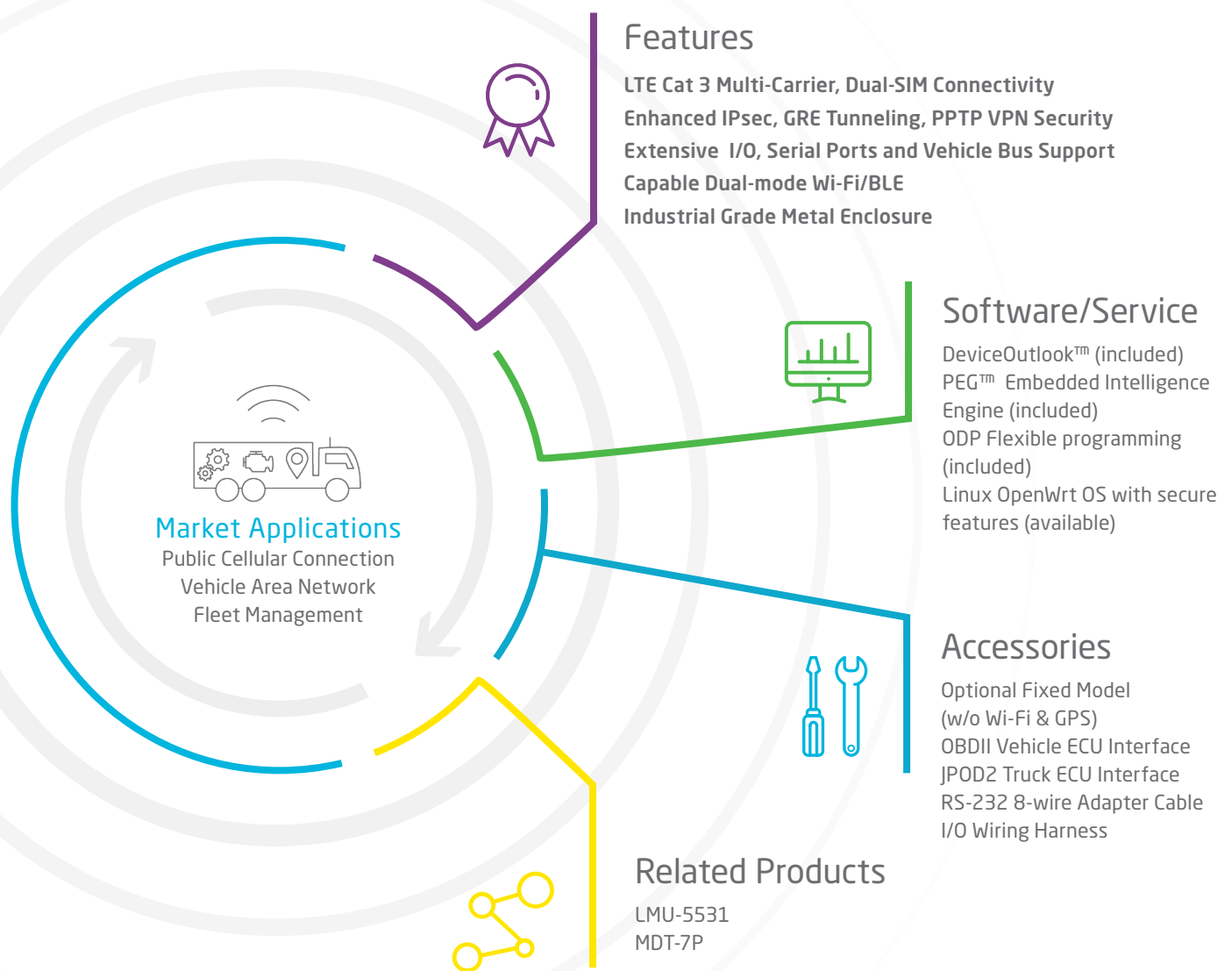


Vanguard 5530™



All-In-One Mobile Communications Solution for Industrial, Utility, Transportation and Enterprise Applications

The Vanguard 5530™ offers fast LTE Cat 3 network 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 router enables wireless data connectivity for up to two LANs and one serial device over public cellular networks with enterprise-grade security.



Vanguard 5530™ Technical Specifications

General

Diversity Support	LTE DL MIMO; 3G Rx Diversity
Security	IPsec, GRE Tunneling, PPTP RADIUS Client, HTTPS web server
Router	MAC Filtering, DMZ, Dynamic DNS SNMP, HTTP embedded web server
Device Management	SNMP, HTTP embedded web server

Cellular/Network

LTE Cat 3	700/850/AWS 1700/1900/2100 MHz
HSPA/UMTS	850/AWS 1700/1900/2100 MHz
GSM/GPRS	850/900/1800/1900 MHz

WLAN Technology/Bands

WLAN 802.11 b/g/n	2412-2462 MHz
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Connectors/Interface

LED Indicators	RSSI, SVC, NET, GPS, AUX
Power	4-Pin lock connector
Ethernet	Dual 10/100 Mbps RJ-45, auto MDIX, auto-negotiation, & activity LED
Serial	EIA-232F DE9 Female DCE, up to 115Kbps
Primary Antenna	50 Ohm SMA Female
Rx Diversity Antenna	50 Ohm SMA Female

Comprehensive I/O

Digital Inputs	7 (high/low selectable 0-30 VDC)
Digital Outputs	5 relay driver outputs (200mA)
Analog Inputs	4 general purpose A/D (0-30 VDC)
Accelerometer	Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)
1-Wire® Interface	2 (driver ID, temperature sense)

Embedded Intelligence Engine

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

Input Voltage	9-32 VDC
TX Power	350 mA @13.8 VDC (500 mA Mobile SKU)
RX Power	130 mA @13.8 VDC (240 mA Mobile SKU)

Environmental

Temperature	-40° to +85° C (connected to primary power) -30° to +70° C (ambient)
Humidity	95% RH @ 50° C non-condensing
Shock and Vibration	MIL810 Thermal/Shock/Vibe/Humidity, Hazardous Env, UL Class I, Div. II, RoHS 2

Physical/Design

Dimensions	4.5 x 6.0 x 1.9" (114 x 152 x 48 mm)
Weight	40 oz. (1130 g)

Product Options

GPS Antenna	50 Ohm SMA Female
WLAN/WPAN Antenna	50 Ohm RP-SMA Female

CalAmp DeviceOutlook™

Configuration Management	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Locate and monitor the state, condition and utilization of mobile devices• Reduce costs• Faster deployment• Minimize infrastructure• Reduce support• Eliminate capital costs