

4G LTE Ethernet Bridge/Serial Gateway

The new VIP4Gb provides a secure industrial strength wireless solution using 4G LTE network infrastructure for critical data communications. The VIP4Gb provides simultaneous network connections for multiple 802.11a/b/g/n WiFi devices, 4 x 10/100/1000 Ethernet ports, and a RS232/RS485 Serial port resulting in a communication device that can meet any network requirement!

4G LTE

802.11a/b/g/n WiFi

IPSec / VPN, GRE

Digital I/O

4 - Gigabit Ethernet

RS232/485/422 Port



Features

- Fast 4G LTE Link to Wireless Carrier
- Up to 100 Mbps Downlink / 50 Mbps Uplink
- **New** - Additional Band Support for Global Connectivity
- Fast Data Rates to 802.11a/b/g/n WiFi Devices
- Firewall with ACL Security, IPSec, GRE / VPN Tunneling
- Digital I/O - 4 Inputs, 4 Outputs
- DMZ and Port Forwarding
- 4 - 10/100/1000 Ethernet Ports (WAN/LAN)
- Standalone Integrated GPS (Server/Reporting)
- Integrated GpsGate & TAIP Services
- Wide Operating Temperature (-40°C to +85°C)
- User interface via local console, telnet, web browser
- Local and remote wireless firmware upgradable
- PTCRB Approved



IP67 Outdoor Enclosure

◆ 4G/LTE ◆ Serial/RS485 ◆ WiFi ◆ Ethernet ◆ Firewall

VIP4G

Specifications

4G LTE		WiFi	
Supported Bands	LTE FDD (Bands 1-5,7,8,13,17,18,19,20) UMTS DC-HSPA+ (Bands 1,2,4,5,8) GSM GPRS EDGE (Bands 2,3,5,8) 3GPP Protocol Stack Release 9	Frequency	2.4 GHz / 5.8 GHz
Data Features	LTE: DL 100 Mbps, UL 50 Mbps HSPA+: DL 21 Mbps, UL 5.7 Mbps WCDMA: DL/UL 384 kbps EDGE Class 33: DL/UL 236.8 kbps GPRS Class 33: DL/UL 85.6kbps	Spread Method	OFDM/QPSK/16QAM/64QAM
Carrier Connection	Dial on Demand, PAP, CHAP, Idle Time, ICMP Keep Alive, DDNS, IP pass-through, Wireless Traffic Timeout	Data Rates	802.11a/b/g/n
SMS Features	SMS to/from Serial RS232/485 SMS to/from Ethernet via Telnet SMS Alerts	Output Power (Order Option)	802.11a/b/g/n (Adjustable up to 20dBm) or: 802.11b/g (Adjustable up to 30dBm)

General

Ethernet	4 x 10/100/1000 BaseT, Auto - MDI/X IEEE 802.3	Management	Local Serial Console, Telnet, WebUI, SNMP, Wireless Upgrade, RADIUS, AT Command Interface
Serial Interface	RS232/422/485 (2/4 wire)	Input Voltage	7 - 30VDC (4 PIN Interlocking) or Passive PoE over WAN Port
Serial Baud Rate	300bps to 921kbps	Digital I/O	4 Inputs (0 - 30Vdc) 4 Outputs (Open Drain - 150mA Sink)
Serial Port Server	-Extensive Serial Port Support. TCP server & client / UDP server & client / Modus / PPP / SMS / SMTP / AT command -Extensive RS232/485/422 support	Connectors	Antenna Cellular: SMA Female x2 (Main, DIV) GPS: SMA Female WiFi: RP-SMA Female x2 Data RJ-45 (Ethernet) Female DB9 SIM 1.8 / 3.0V (Optional Dual SIM Available)
USB (Optional)	USB Console Port USB to Serial Data Routing USB to Ethernet Data Routing (NDIS)	Environmental	Operating Temperature -40°C to +85°C (-40°F to +185°F) Humidity 5-95%, noncondensing
GPS	GPS TCP Server, UDP/Email Reporting, GpsGate, TAIP Service Navigation Update Rate Up to 5 Hz Accuracy Position: 2.5 m CEP SBAS: 2.0 m CEP Acquisition Cold Starts: 27 seconds Aided Started: 4 seconds Hot Starts: 1 seconds Sensitivity Tracking: -159 dBm Cold Starts: -147 dBm Hot Starts: -156 dBm	Weight	Approx. 405 grams
Network Protocols	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, DNS, Serial over IP	Dimensions	Approx. 5.60" x 3.70" x 1.17" (142mm x 94mm x 30mm)
Security	VPN, IPSec with IKE/ISAKMP; Multiple tunnel support (16); 3DES and up to 256-bit AES Encryption, Site to Site Tunneling L2TP, GRE, HTTPS	Approvals	PTCRB FCC / IC Carrier Specific Approvals: Bell, Rogers, Telus
Firewall	NAT, NAT-T VPN tunneling, Port forwarding, VPN/GRE pass-through; Access control lists (IP filtering), Data origin / integrity Authentication, DMZ	Order Options	
Diagnostics	RSSI, Ec/No, Voltage, Temp, Remote diagnostics, Watchdog, UDP Reporting	Model	VIP4Gb
		-C1D2	Class 1 Div 2 (for use in hazardous environments)
		-IP67	Outdoor weatherproof enclosure

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