

## 4.9 GHz Public Safety Broadband Ethernet Bridge / Serial Gateway

The VIP4900 provides a rugged, high capacity, long range broadband solution for public safety applications. Operating at 4.9 GHz, the VIP4900 provides up to 54Mbps, comprehensive security, remote management and diagnostic features. The fully featured serial port provides support for legacy devices, and the capacity to transfer both Ethernet and Serial data simultaneously!

54 Mbps

Extended Temperature

Ethernet + Serial

Long Range

MESH



### Applications

- Public Safety Band
- High-speed Backbone
- IP Video surveillance
- Voice over IP (VoIP)
- Ethernet Wireless Extension
- Legacy Network/Device Migration
- Facilitating Internetwork wireless communications

### Features

- Up to 54Mbps data rate
- Adaptive modulation
- LAN and WAN dual port
- WDS station bridge
- User-configurable firewall functions
- Serial gateway (RS232/485/422)
- Comprehensive encryption support (not available for export)
- Authenticator and supplicant
- RADIUS server authentication
- Remote administration
- Firewall and VPN
- Wireless firmware upgrade capable
- Supports 5, 10, 20 MHz Channelization

# VIP4900

# Specifications



<b>Frequency</b>	4.9425 - 4.9875 GHz	<b>Input Voltage</b>	9-30VDC	
<b>Spread Method</b>	ODFM/QPSK/16QAM/64QAM	<b>Connectors</b>	<b>Antenna</b> RP-TNC Female Bulkhead <b>Serial Data</b> RS232 DB-9F Locking terminal connector <b>Ethernet</b> RJ-45 (x2) <b>Console</b> RS-232 DB-9F	
<b>Link Rate</b>	Up to 54Mbps			
<b>Error Detection</b>	ARQ			
<b>Encryption</b>	64/128-bit WEP/WPA, WPA2 (not available for export)			
<b>Range</b>	Up to 10 miles (16 km) (Antenna Dependant)			
<b>Sensitivity</b>	-94 dBm @ 6 Mbps -74 dBm @ 54 Mbps	<b>Environmental</b>	-40°F to 175°F (-40°C to +85°C) 5-95% humidity, non-condensing	
<b>Output Power</b>	Up to 26 dBm	<b>Weight</b>	Approx. 0.7 lbs (318g)	
<b>Ports</b>	<b>Serial Data</b>	RS232: RxD, TxD, RTS, CTS, DCD, DSR, DTR RS422: Tx+, Tx-, Rx+, Rx- RS485: 4-wire/2-wire 300bps to 921kbps	<b>Dimensions</b>	Approx. 5.30" x 3.50" x 1.125" (135mm x 89mm x 29mm)
	<b>Serial Console</b>	RS232: RxD, TxD	<b>Approvals</b>	FCC Part 90Y Industry Canada Approvals cover antenna use up to: 26 dBi (point-to-point) 9 dBi (point-to-multipoint)
	<b>LAN Ethernet</b>	10/100BaseT IEEE802.3		
	<b>WAN Ethernet</b>	10/100BaseT IEEE802.3		
<b>Network Protocols</b>	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, Serial over IP, QoS, VoIP	<b>Order Options</b>		
<b>Operating Modes</b>	Access Point, Station, Repeater, Ad hoc, MESH	<b>-C1D2</b>	Class 1 Div 2 (for use in hazardous environments)	
<b>Management</b>	Local Serial Port Console, Telnet, WebUI, SNMP, FTP Upgrade, RADIUS authentication	<b>-AES</b>	Secure Shell, HTTPS (Canada & USA only. NOT AVAILABLE for export)	
<b>Diagnostics</b>	Temperature, SNR, Remote Diagnostics	<b>-EXP</b>	Export version. Removes all encryption.	
<b>Rejection</b>	Excellent strong signal interference & rejection characteristics			

## Contact Information

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