

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



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

Contact Information

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