

## 5.8 GHz OFDM Broadband Ethernet Bridge / Serial Gateway

Responding to industry demands for greater speed and throughput, the VIP5800 brings long-range wireless network communications to a new performance level. The VIP5800 provides both serial and Ethernet high speed support.

54Mbps

Extended Temperature

Ethernet + Serial

Long Range

MESH



### Applications

- High-speed Backbone
- IP Video surveillance
- Voice over IP (VoIP)
- Ethernet Wireless Extension
- Legacy Network/Device Migration
- SCADA (PLC's, Modbus, Hart)
- Facilitating Internetwork wireless communications

### Features

- Up to 54Mbps data rate
- Adaptive modulation
- LAN and WAN dual ports
- AP may be configured as router
- WDS station bridge
- User-configurable firewall functions
- Serial gateway (RS232/485/422)
- Comprehensive encryption support (not available on export versions)
- RADIUS server authentication
- Remote administration
- Quality of service (QoS) support
- Firewall and VPN
- Wireless firmware upgrade capable
- Supports 5, 10, 20 MHz Channelization

# VIP5800

# Specifications



<b>Frequency</b>	5.8 GHz	<b>Diagnostics</b>	Temperature, SNR, Remote Diagnostics	
<b>Radio Operation</b>	IEEE 802.11a, 5GHz	<b>Rejection</b>	Excellent strong signal interference & rejection characteristics	
<b>Spread Method</b>	OFDM/QPSK/16QAM/64QAM	<b>Input Voltage</b>	9-30VDC	
<b>Link Rate</b>	Up to 54Mbps	<b>Connectors</b>	<b>Antenna</b> RP-TNC Female Bulkhead	
<b>Error Detection</b>	ARQ		<b>Serial Data</b> RS232 DB-9F Locking terminal connector	
<b>Encryption</b>	64/128-bit WEP/WPA, WPA2 (not available for export)		<b>Ethernet</b> RJ-45 (x2)	
<b>Range</b>	Up to 10 miles (16 km) (Antenna Dependant)		<b>Console</b> RS-232 DB-9F	
<b>Sensitivity</b>	-94dBm @ 6Mbps -74dBm @ 54Mbps	<b>Environmental</b>	-40°F to 175°F (-40°C to +85°C) 5-95% humidity, non-condensing	
<b>Output Power</b>	Up to 28dBm	<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 15.247 IC RSS210
	<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			

## Contact Information

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