

## Miniature 2.4 GHz OFDM Broadband Ethernet / Serial Gateway

The nVIP2400 is a miniature ruggedized high power broadband Ethernet & Serial Gateway. Available in both OEM and Enclosed models, the nVIP2400 provides a robust solution for size and weight sensitive applications. The nVIP2400 provides an Ethernet port, 802.11b/g, as well as dual serial communication ports that support any RS232/RS485/RS422 device!

Up to 54 Mbps

802.11b/g

Enhanced Firewall

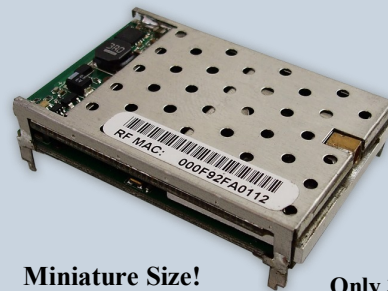
Extended Temperature

Small Size

RS232/485/422 Port



Enclosed Model



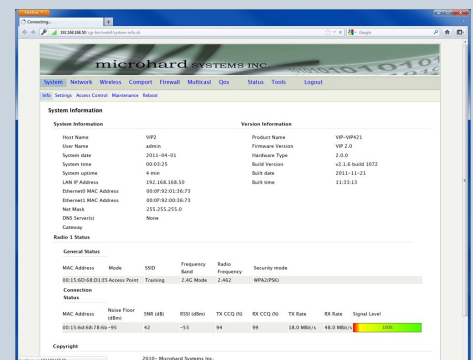
OEM Model

Miniature Size!  
1.25"x2.0"x0.50"

Only 30 grams!

## Features

- Up to 54 Mbps data rate
- Support for 802.11b/g Devices
- Firewall with ACL Security, Port Forwarding
- Access Point, Repeater, and Client/Station, MESH modes
- Serial Gateway (RS232/RS485/RS422)
- Comprehensive VLAN, QoS & Spanning Tree Support
- RSSI LEDs for Antenna Alignment
- Wide operating temperature (-40°C to +85°C)
- Administration via local console, telnet, web browser, SNMP
- Local and remote wireless firmware upgradable



Powerful User Interface

# nVIP2400

# Specifications

<b>Frequency</b>	2.4000 - 2.4835 GHz	<b>Network Advanced Protocols</b>	IP Routing - static Routing, IP/RIPv1, IP/RIPv2, CIDR, ICMP, ARP NAT and Port Forwarding (Routing mode only)  DHCP Server, Relay, and Client / DHCP Server Reservation  Full 802.1Q VLAN Support Proprietary Long Distance Algorithm for ACK and CTS timeout adjustment support  Firewall and Packet/URL Filtering (Routing mode only) Multicast Routing support
<b>Radio Operation</b>	IEEE 802.11 b/g		
<b>Link Rate</b>	Up to 54Mbps		
<b>Error Detection</b>	ARQ		
<b>Encryption</b>	WEP,WPA, WPA2 MAC Authentication, RADIUS Server, MAC Blocking		
<b>Range</b>	Up to 10 miles (16 km) (Antenna Dependant)		
<b>Sensitivity</b>	-97dBm @ 6Mbps -74dBm @ 54Mbps		
<b>Output Power</b>	Up to 30dBm (1W)		
<b>Ports</b>	<b>Serial Data</b> RS232/RS485/RS422 300bps to 921kbps <b>Serial Console</b> RS232: Rx/D, Tx/D <b>LAN Ethernet</b> 10/100BaseT IEEE802.3 <b>USB</b> Not currently supported	<b>Connectors:</b>	<b>Enclosed</b> Antenna RP-SMA Female Bulkhead Data RS232 DB-9F Ethernet RJ-45 Console RS-232 DB-9F  <b>OEM</b> Antenna MMCX Data 60 Pin OEM Header x2
<b>Network Protocols</b>	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, Serial over IP, QoS, VoIP	<b>Environmental</b>	-40°F to 185°F (-40°C to +85°C) 5-95% humidity, non-condensing
<b>Operating Modes</b>	Access Point, Station/Client, Repeater, Mesh	<b>Weight</b>	<b>Enclosed</b> Approx. 250g <b>OEM</b> Approx 30g
<b>Management</b>	Local Serial Port Console, Telnet, WebUI, SNMP, FTP Upgrade, RADIUS authentication, TFTP, CLI (Command Line Interface)	<b>Dimensions</b>	<b>Enclosed</b> Approx. 2.25" x 3.85" x 1.50" (57mm x 98mm x 38mm) <b>OEM</b> Approx. 1.25" x 2.0" x 0.50" (32mm x 51mm x 13mm)
<b>Diagnostics</b>	Remote Diagnostics, Monitor Utilities (Ping, ARP table, Bridge Table, DHCP active leases, CCQ), Link Test	<b>Approvals</b>	FCC Part 15.247 IC RSS210
<b>Rejection</b>	Excellent strong signal interference & rejection characteristics	<b>Order Options</b>	
<b>Input Voltage</b>	Enclosed: 9-30VDC OEM: 3.3VDC Nominal (+/-0.3V)	<b>-C1D2</b>	Class 1 Div 2 (for use in hazardous environments)

## Contact Information

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