

# Superior IAD

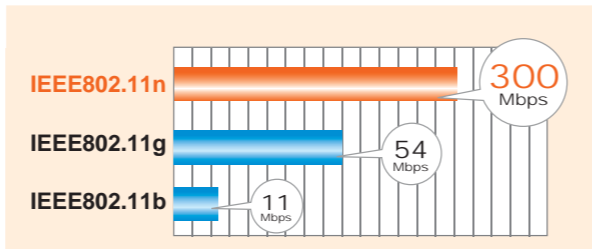
RN243VR4-2SO-X0 / RN243VR4-2S-X0

The RN243VR4 CPE IAD solution provides VoIP, WLAN 802.11n (MIMO 2T2R) and full Ethernet bridge and router functionality and proven ADSL/ADSL2/ADSL2plus performance and combines an "always-on" high speed connection to the telephone line, and Ethernet connection to a host PC or Ethernet hub into a single cost-effective solution. RN243VR4 IAD Router with full compliance to T1.413 i2, G.992.1, G.992.2 (G.lite), G.992.3 (G.dmt.bis/ADSL2), and G.992.5 (ADSL2plus), and support for Annexes A, B and M for DSL. SIP voice protocol and 802.11n draft 2.0 wireless lan standard.



RN243VR4-2SO-X0 (Infinity)

## IEEE802.11n PHY rate



## Superior IAD

### Voice FEATURES

- Support for SIP protocols
- Telephony functions (call waiting, call hold, call forward)
- Echo cancellation (G.168) – configurable
- Silence suppression (Voice Activity Detection (VAD) and Comfort Noise Generation (CNG)
- FAX - T.38 relay and G.711 pass through
- Incoming and outgoing calls can be routed over PSTN (for RN243VR4-2SO only)
- Soft relay support to handle connections between the FXS and FXO ports (for RN243VR4-2SO only)
- Hard 'fail-safe' relay to connect the FXS port directly to the FXO port in the event of power failure or loss of the Internet connection (for RN243VR4-2SO only)

### Software Features

- RFC-1483/2684 LLC/VC-Mux bridged/routed mode
- RFC-1577 Classical IP over ATM
- RFC-2516 PPPoE
- RFC-2364 PPPoA
- ITU-T 1.610 F4/F5 OAM send and receive loop-back
- 802.1d Spanning-Tree Protocol
- DHCP Client/Server/Relay
- NAT
- RIP v1/v2
- DNS Relay Agent
- DMZ support
- IGMP Proxy/Snooping
- Stateful Packet Inspection
- Protection against Denial of Service attacks
- IP Packet Filtering
- QoS
- Dynamic DNS
- UPnP support

### ADSL Standard

- ITU-T G.992.1(G.dmt)
- ANSI T1.413 Issue 2
- G.992.2 (G.lite)
- G.994.1 (G.hs)
- Auto-negotiating rate adaptation
- ADSL2 G.dmt.bis (G.992.3)
- ADSL2 G.lite.bis (G.992.4)
- ADSL2+ (G.992.5)



### Management

- Web-based Configuration
- Menu-driven Command-line Interpreter
- Telnet Remote Management
- SNMP v1/v2/Trap
- Firmware upgrade through FTP, TFTP and HTTP
- Configuration backup/restore
- Diagnostic Tool
- TR069 supported (option)

### Wireless Standard

- IEEE 802.11n Draft 2.0 (MIMO 2T2R) compliance. Backwards compatible with 802.11b/g
- Support Wifi ON/OFF switch button
- Support Wifi WPS switch button
- Support 802.11n (MIMO 2T2R): Up to 300Mbps
- Supports 802.11g data rates of up to 54 Mbps with automatic fallback to 48, 36, 24, 18, 12, 9, and 6 Mbps
- Supports 802.11b data rates of up to 11 Mbps with automatic fallback to 5.5, 2, and 1 Mbps
- Supports long and short preamble modes
- Compliant transmit modulation accuracy and transmit power spectral density
- IEEE 802.11i Security supports 64/128-bits WEP, WPA, WPA2, WPS and WDS
- MAC Address Filter
- Multi-SSID
- IEEE 802.11e QoS enhancement (WMM)

### Ethernet LAN Protocols /Interfaces

- Support 4 ports Ethernet Interface 10/100 Mbps auto selection which compliant with IEEE 802.3x standards.
- Ethernet port supports Automatic MDI/MDI-X configuration transceiver.

### Hardware interface

- 1 Power jack
- 1 Power switch for power on /off
- 1 Reset button for reset to factory default function
- 1 RJ11 phone jack for ADSL connection
- 4 Ethernet Jack for LAN port connection
- Un-detachable antenna x 2 (MIMO 2T2R)
- 1 RJ11 phone jack for VOIP FXO connection (for RN243VR4-2SO only)
- 2 RJ11 phone jacks for VOIP FXS 2 ports connection
- 1 Wifi ON/OFF button
- 1 WPS button

