



Netopia 3300-VGx Series

VGx Technology

Netopia's VGx technology provides advanced service segmentation while ensuring toll-quality voice and broadcast-quality video.

Affordable for Mass Deployment

Full-featured gateways enable revenue-generating triple play services in a scalable, manageable, and affordable platform.

High Throughput

High-speed ADSL2+ and high-throughput Ethernet WAN interfaces support higher speed DSL and fiber optic access networks.

Netopia® 3300-VGx Series

Triple Play Broadband Gateways with Netopia VGx Virtual Gateway Technology



VGx Virtual Gateway Technology

Netopia's VGx technology allows a single Netopia VGx-enabled broadband gateway to act as separate virtual gateways, treating each individual service as a single service "channel." The VGx-enabled gateway applies specific policies, routing, and prioritization parameters to each service channel, ensuring delivery of that service to the appropriate peripheral device with the requisite level of QoS and correct feature sets – making it ideal for delivery of triple play voice, video, and data services.

Netopia's 3300-VGx Series Triple Play Gateways are designed specifically to allow service providers to deploy the lucrative triple play of voice, video, and data services.

Featuring Netopia's innovative VGx Virtual Gateway Technology, the 3300-VGx series is a full-featured yet affordable platform that incorporates advanced Quality of Service (QoS) algorithms and the ability to segment each service into a separate, manageable service "channel." The Netopia 3300-VGx series enables feature-rich broadband home networking, along with integrated voice and video services.

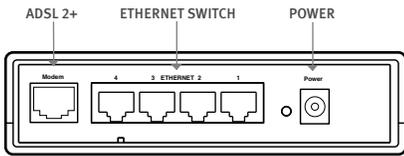
The wired 3300-VGx models are ideal for cost-sensitive deployments, combining a high-speed WAN interface with a four port 10/100 managed Ethernet switch. The Wi-Fi 3300-VGx models deliver more home networking options, combining a built-in high-speed WAN interface, 802.11g wireless access point, and managed 10/100 Ethernet switch into a single broadband networking solution. With Netopia 3-D Reach technology, the Wi-Fi models deliver industry leading indoor wireless range and coverage.

The complete line of VGx gateways leverage high performance features, LAN networking options, and QoS intelligent firmware to support the widest range of home networking applications and services, including IPTV set-top boxes, VoIP phone systems, Wi-Fi VoIP handsets, digital video recorders (DVRs), PCs, game consoles, PDAs, or other wired or wireless devices.

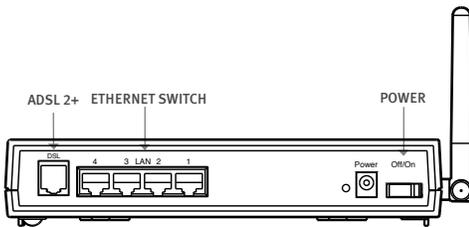
When paired with Netopia's comprehensive suite of service management applications, the 3300-VGx series provides a superior service delivery mechanism for significantly increasing service provider revenues and reducing operational costs.

Netopia® 3300-VGx Series

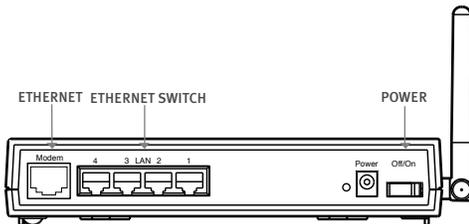
Triple Play Broadband Gateways with Netopia VGx Virtual Gateway Technology



3346N-VGx



3347NWX-VGx



3387WG-VGx

Hardware Features

- WAN Interface
 - 3346N-VGx: ADSL 2+ (Annex A), RJ-11
 - 3347NWX-VGx: ADSL 2+ (Annex A), RJ-11
 - 3387WG-VGx: 10/100 Ethernet, RJ-45
- LAN Interface
 - Wired Models:
 - 4 port 10/100 managed Ethernet Switch, RJ-45
 - Wi-Fi Models:
 - Built-in 802.11g (54 Mbps) Wireless; backward compatible with 802.11b
 - 4 port 10/100 managed Ethernet Switch, RJ-45

Encoding and Line Speed

- ANSI T1.413 Issue 2
- ITU 992.1 (G.dmt) Annex A, B, 992.2 (G.lite), 992.3 ADSL2 (G.dmt.bis), 992.4 ADSL2 (G.lite.bis) 992.5 ADSL 2+

Protocol Support

- ATM Adaptation Layer 5 (AAL5)
- Up to 8 Permanent Virtual Circuits (PVCs)
- Bridged or Routed Ethernet Encapsulation
- IP Multicast Pass-through
- PPP over Ethernet Gateway/Pass-through
- PPP over ATM: LLC & VC Multiplexing

Routing Function

- Network Address Translation (NAT), IP Maps, and Pinholes
- Static Routes
- IP Multicast Outbound Support Through NAT
- DHCP Client, Server and Relay
- DNS Proxy
- RIP1 & RIP2 on LAN/WAN

Bridging

- Transparent Bridged Ethernet over ATM

Security

- Network Address Port Translation (NAPT)
- Stateful Firewall, ICSA-Certified
- Configurable Firewall Function
- Virtual DMZ/IP Pass-thru
- Denial of Service Protection
- Software and Games Control
- VPN Pass thru for PPTP, L2TP and IPSec
- IPSec VPN Gateway (upgrade)
 - DES, 3DES, and IKE
 - Hash Algorithm Support: MD5 and SHA1
- Security Monitoring and Logging (upgrade)

Wireless

- Wireless Features
 - Integrated omni-directional antennas with diversity support
 - 100mW transmit power
 - North America Channel Set (1-11)
 - Supported Data Rates: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps with auto-rate fallback
- Wireless Security
 - WEP 64-, 128-, 256-bit encryption
 - 802.1x
 - WPA-PSK
 - Block Wireless Bridging
 - MAC Address Filtering
 - Closed System Mode

Management and QoS

- VGx Virtual Gateway Technology
- 2 Level Password Protected Access
- Remote and Local Management Options through the Web UI (HTTP) and CLI (Telnet)
- Software Upgradeable
- Statistic and Log Reporting, Remote Syslog Support
- 7-Layer Diagnostics
- SNMP v1 & v2
- Utilities: Ping, Traceroute, Reverse DNS
- LEDs: Power, Link, Status and Activity Indicators

Regulatory

- FCC Part 68, Part 15, Class B
- UL Listed, CSA Approval
- European EMC & Immunity
- CE Mark
- DSL Forum TR067 Compliant
- Industry Canada

Environmental

- Operating: 0 to +40C
- Storage: 0 to 70C (20-80% Non Condensing)
- Power: External, 12V DC, 1000mA

Weight and Dimension

- Wired:
 - Weight: 3 lbs (1361g) (unit carton)
 - Dimensions: 1.4" (3.5cm) H, 5.3" (13.5cm) W, 5.4" (13.7cm) L
- Wireless:
 - Weight: 2.5 lbs (1814g) (unit carton)
 - Dimensions: 1.5" (3.9cm) H, 7.7" (19.6cm) W, 6.7" (17.1cm) L

PART NUMBERS	WAN		LAN	
	ADSL 2+ ANNEX A	10/100 EN	4 PORT 10/100 SW	802.11g
3346N-VGx	✓		✓	
3347NWX-VGx	✓		✓	✓
3387WG-VGx		✓	✓	✓