

High Performance VDSL2

High-performance network processor and integrated VDSL2 modem deliver speed and throughput ideal for FTTN deployments

Advanced Triple-Play Features

VGx QoS technology and advanced protocol support ensure highly responsive, crystal clear voice and broadcast-quality video.

Comprehensive Manageability

Support for TR-069 and auto-provisioning enable comprehensive remote manageability for lower operational costs with improved accuracy.



Netopia® MiAVo VDSL2 Wi-Fi Gateways

Triple-Play Gateways for VDSL2 Networks

Ideal for fiber-to-the-neighborhood (FTTN) applications, Netopia's MiAVo VDSL2 Wi-Fi Gateways enable the delivery of triple-play services over IP-based VDSL2 in the "first mile" between the customer premises and the fiber node.

Starting with initial service deployment, MiAVo gateways can reduce operational costs and complexities. Without subscriber intervention, MiAVo gateways "phone home" to the service provider upon first connection to the network for automated service provisioning.

Once in service, MiAVo gateways assure flawless triple play delivery through a host of key features.

- VGx QoS technology provides broadcast-quality video, as well as crystal-clear voice.
- Support for TR-101 and IGMPv3 allows a single MiAVo gateway to concurrently serve multiple video streams from different content providers to different TVs or devices, while maintaining QoS and rapid channel changing.
- Video-on-demand features like fast forward, pause, and rewind are enabled via RTSP support.

Netopia's powerful 3-D Reach® Extreme technology delivers superior wireless range, performance, and coverage. Support for Wi-Fi Multimedia (WMM) assures that advanced QoS controls and priority are applied to quality-sensitive IPTV and VoIP services.

MiAVo gateways offer comprehensive remote manageability, including centralized remote provisioning, troubleshooting, and management, through support for the DSL Forum TR-069 specification.

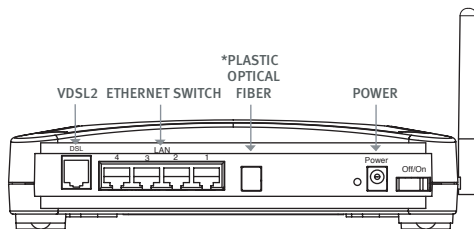
The MiAVo VDSL2 gateways integrate a high-performance network processor and DMT-based VDSL2 modem. A 4-port 10/100 Ethernet switch, 3-D Reach Extreme Wi-Fi, and optional plastic optical fiber (POF) connections provide flexibility for in-home connectivity to set-top boxes, VoIP equipment, computers, and more.

MiAVo gateways deliver the critical technology, features, and manageability required for IPTV and VoIP services.

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Technical Specifications



*Optional

All Models

MODEL NUMBERS	WAN		LAN			
	VDSL2 Annex A	VDSL2 Annex B	4 PORT 10/100 ETH	802.11g	POF	
3397GP	✓		✓	✓		
3397GP-P	✓		✓	✓	✓	
3397GPB		✓	✓	✓		
3397GPB-P		✓	✓	✓	✓	

Hardware Features

- WAN Interface
 - Ikanos VDSL2, RJ-11
- LAN Interfaces
 - Built-in 802.11g Wireless; backward compatible with 802.11b
 - 4 port 10/100 Ethernet Switch, RJ-45, half- or full-duplex/auto-sensing MDI/MDI-X
- Optional Plastic Optical Fiber Connector (POF)
- LEDs: Power, Link, Status and Activity Indicators

Encoding and Line Speed

- VDSL2-DMT
 - G.993.1
 - G.993.2 VDSL2 (Profile 8a, 8b, 8c, 8d, 12a, 12b Support), Annex A and Annex B
- ETSI TS 101 270-1 V1.3.1 and TS 101 270-2 V1.2.1
- 997 and 998 Band Plan Support
- U0 Band Support (25KHz to 276KHz)
- Packet Transfer Mode Ethernet in the First Mile (PTM-EFM)

Protocol Support

- Bridged or Routed Ethernet Encapsulation
- IP Multicast Pass-through
- PPP over Ethernet Gateway/Pass-through

Bridging/Routing Functions

- 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
- TR-101 Support

Security

- Network Address Port Translation (NAPT)
- Stateful Firewall
- 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

Wireless

- 3-D Reach Extreme Wi-Fi
- Wireless Features
 - Integrated omni-directional antennas with diversity support

Wireless

- 100mW transmit power
- Channel Set
 - North America: 1-11
 - Europe: 1-13
- Supported Data Rates: 1, 2, 5.5, 6, 9, 11, 12, 18, 22, 24, 36, 48, and 54 Mbps with auto-rate fallback
- Wireless Security
 - WEP 64-, 128-, 256-bit encryption
 - 802.1x, WPA, WPA-PSK, 802.11i/WPA2
 - Block Wireless Bridging
 - MAC Address Filtering
 - WMM (Wi-Fi Multimedia) Support
 - Transmit Power Control

QoS and Traffic Management

- VGx Virtual Gateway Technology
- Diffserv - Differentiated Services
- IEEE 802.1p - Priority Bits
- IEEE 802.1q - VLAN Tagging
- IGMP v2/v3 Snooping/Forwarding with Fast Leave
- TR-111 Support

Device Management

- TR-069 Remote Management
- Remote and Local Management Options via Web UI (HTTP) and CLI (Telnet)
- 2 Level Password Protected Access
- Statistic and Log Reporting, Remote Syslog Support
- 7-Layer Diagnostics
- SNMP v1 & v2
- Utilities: Ping, Traceroute, Reverse DNS

Regulatory

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

Environmental

- Operating Temperature: 0 to +40C
- Storage Temperature: 0 to +70C
- Relative Humidity: 20-80% (Non-Condensing)

Weight and Dimensions

- Weight: 2.5 lbs (1134g)(unit carton)
- Dimensions: 2.0" (5.1cm) H, 8.3" (21.0cm) L, 6.8" (17.2cm) W

