MiAVo VDSL2 Gateways

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

VGx Quality of Service
Netopia's VGx technology provides advanced service segmentation while ensuring crystal clear voice and broadcast-quality video.

TR-069 Manageability
Compliant with the DSL Forum's TR-069 remote management specification, MiAVo gateways are highly manageable for lower support costs and ease of deployment.

Netopia® MiAVo VDSL2 Gateways

Triple Play Gateways for VDSL2 Networks

Netopia MiAVo Series

Netopia's MiAVo (**M**edia **i**n, **A**udio **V**ideo **o**ut) Series is designed specifically for the delivery of triple play services over ultra-broadband networks with advanced QoS, management, and LAN distribution features.

- VGx Virtual Gateway technology ensures quality delivery of delay-sensitive voice and video services using advanced QoS algorithms and packet prioritization.
- TR-069 compliance ensures robust manageability, with enhanced management capabilities when paired with Netopia's NBBS TR-069 device management system.
- Optional support for multiple in-home service delivery methods, including existing coaxial cabling, telephone wire, and advanced wireless technologies, offer broad service distribution flexibility.
- Advanced WAN and LAN routing and security capabilities provide robust security.

The MiAVo Series is the ultimate triple play gateway for secure high-bandwidth service delivery with the highest quality of service and lowest cost of deployment.

The MiAVo VDSL2 Gateways enable the delivery of triple play services over IP-based VDSL2 "first mile" networks.

The Netopia MiAVo VDSL2 residential gateways are designed specifically to streamline and enhance cost-effective delivery of voice, video, and data services over ultra-broadband VDSL2 networks. Featuring Netopia's VGx QoS technology, all MiAVo gateways ensure quality delivery of delay-sensitive voice and video services such as VoIP and standard and HDTV. TR-069 compliance assures comprehensive remote manageability.
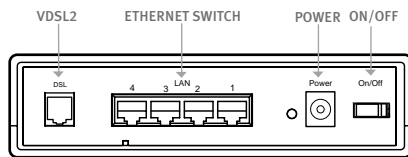
The MiAVo VDSL2 gateways integrate a high-performance network processor and DMT-based VDSL modem. Ideal for fiber-to-the-neighborhood (FTTN) applications, the MiAVo VDSL2 gateways support high-bandwidth VDSL2 over a single copper pair in the 'first mile' from the subscriber's home to the fiber node.

The MiAVo VDSL2 gateways feature a 4-port 10/100 Ethernet switch to connect Ethernet devices such as IPTV set-top boxes.

Netopia® MiAVo VDSL2 Gateways

Triple Play Gateways for VDSL2 Networks

Technical Specifications

All Models

PART NUMBER	WAN	LAN
	VDSL2 Annex A	4 PORT 10/100 SW
3396PC-VGx	✓	✓

Hardware Features
- WAN Interface
  - Conexant VDSL2, RJ-11
- LAN Interface
  - 4 port 10/100 managed Ethernet Switch, RJ-45, half- or full-duplex/auto-sensing, MDI/MDI-X
- 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
- 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 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
- VGx Virtual Gateway Technology

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
- Security Monitoring and Logging (upgrade)

QoS and Traffic Management
- VGx Virtual Gateway Technology
- Diffserv - Differentiated Services
- IEEE 802.1p - Priority Bits
- IEEE 802.1q - VLAN Tagging
- IGMP v2 Snooping/Forwarding with Fast Leave

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

Environmental
- Operating Temperature: 0 to +40C
- Storage Temperature: 0 to 70C
- Relative Humidity: 20-80% Non-Condensing
- Power: External, 12V DC, 1000mA

Weight and Dimensions
- Weight: 2.5 lbs (1814g)(unit carton)
- Dimensions: 2.0" (5.1cm) H, 8.3" (21.0cm) W, 6.8" (17.2cm) L

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