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3300 SERIES

NETOPIA® ADSL2+ RESIDENTIAL AND BUSINESS GATEWAYS

Performance-optimized Netopia 3300 Series gateways offer full-featured support for maximum media play over a home network or the essential business activities of a small, networked office.

Highlights

Multiple LAN options support single-PC households and home- or small-office networking

Wireless model includes 3D Reach® Extreme technology for increased range and performance

Friendly installation simplifies setup

Robust security features protect PCs and other networked devices from intrusion

Supports Voice-over-IP (VoIP), IPTV, and Video-on-Demand (VoD)

Advanced features help service providers to monetize broadband networks while improving efficiency and reducing costs

A Network in a Box

With Motorola Netopia 3300 Series ADSL2+ Residential and Business Gateways, high-speed Internet access is only the beginning. 3300 Series ADSL2+ gateways can be used to network a home or small office to share an Internet connection, a printer, and other networked devices, and transfer data, music, and video files.

The Power of Choice

3300 Series ADSL2+ gateways come in several configurations to meet the needs of the home or small-office network. Different models allow users the choice of Ethernet or USB connectivity, a four-port Ethernet hub, and 802.11b/g wireless access.

Advanced QoS and Intrusion Protection

Support for Wi-Fi® Multimedia (WMM) assures advanced Quality of Service (QoS) delivery if connected to a VoIP terminal or IPTV set-top. And to prevent unauthorized access into the wireless network, the 3300 Series features the latest encryption, including Wireless Equivalent

Privacy (WEP), Wi-Fi Protected Access, and Wi-Fi Protected Access 2.

Crystal-Clear Reception, Multiple Concurrent Services, and Pause/Fast Forward/Rewind, Too

3300 Series ADSL2+ gateways deliver high-performance VoIP, IPTV, and multi-play services using the latest technologies:

- Broadcast-quality video and crystal-clear voice using Motorola's VGx QoS technology paired with advanced multi-level queuing and packet prioritization

- Multiple-provider services to multiple TVs or devices concurrently while maintaining service quality and rapid channel changing through support for TR-101 and IGMPv3

- Video-on-demand features like fast forward, pause, and rewind through support for Real Time Streaming Protocol (RTSP)

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Netopia® 3300 Series
ADSL2+ Residential and Business Gateways

Motorola Netopia 3300 Residential Series ADSL Gateway (3341)
The 3341 provides simple, secure connectivity to the Internet for single-PC households. Auto-configuration makes setup quick and easy.

Motorola Netopia 3300 Residential Series ADSL2+ Gateway (3346N-VGx)
Designed for the small household that wants to connect multiple computers to one gateway, the 3346N-VGx features a four-port Ethernet switch that can also be used to connect a shared network printer or other Ethernet-enabled device.

Motorola Netopia 3300 Residential Series ADSL2+ Gateway (3347-02)
The 3347-02 is the premier gateway in the 3300 Residential Series. It's a 3-in-1 device: ADSL2+ modem, four-port Ethernet router, and wireless access point with 400 mW of enhanced transmission power for superior connectivity anywhere in the home or business environment.

Motorola Netopia 3300 Residential Series Ethernet Router (3387WG-VGx)
Connect the 3387WG-VGx Ethernet router to an existing broadband modem to create an expandable wireless network of multiple computers and wireless-enabled devices.

WAN INTERFACES

3341	ADSL, RJ-11
3346N-VGx, 3347-02	ADSL2+, RJ-11
3387WG-VGx	10/100 Ethernet

LAN INTERFACES

3341	One 10/100 Ethernet, RJ-45; one full-speed USB 1.1
3346N-VGx	Four-port 10/100 Ethernet switch, RJ-45
3347-02	Built-in 802.11b/g wireless; four-port 10/100 Ethernet switch, RJ-45
3387WG-VGx	Built-in 802.11b/g wireless; four-port 10/100 Ethernet switch, RJ-45

LEDS

Power, Link, Status, Activity

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 ADSL2+

PROTOCOL SUPPORT

ATM Adaptation Layer 5 (AAL5)
Up to eight Permanent Virtual Circuits (PVCs)
Bridged or routed Ethernet encapsulation
IP multicast pass-through
PPP over Ethernet gateway/pass-through
PPP over ATM: LLC and VC multiplexing

BRIDGING/ROUTING FUNCTIONS

Network Address Translation (NAT), IP maps, pinholes
Static routes
IP multicast outbound support through NAT
DHCP client, server, relay
DNS proxy
RIP1 and RIP2 on LAN/WAN
Transparent bridged Ethernet over ATM
TR-101

SECURITY

Network Address Port Translation (NAPT)
Stateful and configurable firewall
Virtual DMZ/IP pass-through
Denial-of-service protection
Software and games control
VPN pass-through for PPTP, L2TP, IPSec
IPSec VPN gateway (upgrade)
DES, 3DES, IKE
Hash algorithm support: MD5 and SHA1

WIRELESS (3347-02, 3387WG-VGX)

Antennas	Integrated omni-directional with diversity support
3-D Reach Extreme Wi-Fi Transmit Power	
EMEA	100 mW
North America	400 mW (3347-02), 100 mW (3387WG-VGx)
Wi-Fi Multimedia (WMM)	
Channel Set	
North America	1–11
Europe	1–13
Supported Data Rates	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps with auto-rate fallback
Security	WEP 64-, 128-, 256-bit encryption; 802.1x, WPA, WPA-PSK, 802.11i/WPA2; block wireless bridging; MAC address filtering; transmit power control

QoS AND TRAFFIC MANAGEMENT

VGx Virtual Gateway technology
Differentiated services (Diffserv)
IEEE 802.1p priority bits
IEEE 802.1q VLAN tagging
IGMP v2/v3 snooping/forwarding with fast leave
TR-111

DEVICE MANAGEMENT

TR-069 remote management
Remote and local management options using Web UI (HTTP) and CLI (Telnet)
Two-level password-protected access
Statistic and log reporting, remote syslog
Seven-layer diagnostics
SNMP v1 and v2
Ping, traceroute, reverse DNS

REGULATORY

FCC Part 68, Part 15, Class B
UL Listed, CSA Approval
European EMC and Immunity
CE Mark

Industry Canada

Hands-Free Management
3300 Series gateways support the DSL Forum's TR-069 specification for comprehensive remote manageability. This gives service providers many options for managing the 3300s to receive updates without consumer interaction.

Netopia® 3300 Series
ADSL2+ Residential and Business Gateways

ENVIRONMENTAL

Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Storage Temperature	32 °F to 158 °F (0 °C to 70 °C)
Relative Humidity	20 to 80% (non-condensing)

WEIGHT AND DIMENSIONS

Wired
Weight	2 lb (907 g) (unit carton)
Dimensions	1.4 in H x 5.4 in L x 5.3 in W
	(3.5 cm x 13.7 cm x 13.5 cm)

Wireless
Weight	2.5 lb (1.1 kg) (unit carton)
Dimensions	1.5 in H x 7.7 in L x 6.7 in W
	(3.9 cm x 19.6 cm x 17.1 cm)

COMPATIBILITY

PC	Windows® 98, 98SE, ME, 2000, XP SP2, Vista
Macintosh®	Ethernet connection

All features, functionality, and other product specifications are subject to change without notice or obligation.

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