

# Netopia® 3300 Series

## ADSL2+ Residential and Business Gateways



### 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

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.

### 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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**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.



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### 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.

## DATA SHEET

### Netopia® 3300 Series ADSL2+ Residential and Business Gateways

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#### 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)

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#### 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)

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#### 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.