



## 3347-02 (North America) Netopia® ADSL2+ Four-Port Wireless Gateway

Full-featured, extended-range wireless gateway for broadband households and small offices

- Wireless gateway equipped with 3D Reach® Extreme technology for increased range and performance
- Multiple LAN options for single-PC households and home or small-office networking
- Simple installation and set-up
- IPTV and Video-on-Demand (VOD) support
- Robust security features
- Advanced Quality-of-Service (QoS) features are designed to help service providers improve efficiency and reduce costs

The Motorola Netopia 3347-02 (North America) Four-Port Wireless Gateway combines an ADSL2+ modem, four-port Ethernet router, and an enhanced wireless design for home or small-business users to connect anywhere in their home or business environment. The 3347-02 features 3-D Reach® Extreme 802.11g/b Wi-Fi® technology, developed following the same design philosophy used by leading PC manufacturers. 3-D Reach Extreme uses two radio antennas specifically tuned for both vertical and horizontal range. 400 mW of power provides superior wireless reach, coverage, and reduced interference to minimize dropped connections and dead zones.

With this full-featured gateway, high-speed Internet connectivity is only the beginning. Support for Wi-Fi Multimedia (WMM) assures advanced QoS for wireless delivery of voice-over-IP (VOIP), IPTV, and streaming broadcast-quality video. With four 10/100 Ethernet ports, the 3347-02 can be used to set up a home or small-office network to share a printer, data, music, and video files. To prevent unauthorized wireless access into the network, the 3347-02 supports the latest encryption, including WPA2, WPA, and WEP.

The easy-to-install 3347-02 is just as easy to manage. Supporting the DSL Forum's TR-069 specification, the 3347-02 can be managed and updated remotely, without user interaction.

## DATA SHEET

### 3347-02 (North America)

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# Specifications

#### High-performance VoIP, IPTV, and multi-play service

- Advanced QoS technology and multi-level queuing and packet prioritization deliver broadcast-quality video and crystal-clear voice.
- Support for the DSL Forum's TR-101 and IGMP v3 allows services from different providers to be delivered concurrently to multiple TVs or other devices, while maintaining service quality and rapid channel changing.
- Support for RTSP enables video-on-demand features such as fast forward, pause, and rewind.

\* Actual speeds will vary, and are often less than the maximum possible. Data transmission speed is approximate and depends on the configuration and capacity of your network, as well as the amount of traffic on the network.

\*\* Actual data throughput will be less due to physical layer overhead (error correction coding, burst preamble, and guard interval).

\*\*\* Actual speeds will vary. Maximum speeds of 30 Mbps are only attainable with A-TDMA or S-CDMA technology with minimal firewall and NAT functions running.

\*\*\*\* With S-CDMA-enabled CMTS.

Certain features may not be activated by your service provider, and/or their network settings may limit the feature's functionality. Additionally, certain features may require a subscription. Contact your service provider for details.

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

#### INTERFACES

WAN	ADSL2/2+ (RJ-11)
LAN	Four-port 10/100 Ethernet (RJ-45),
Wireless	802.11g/b
LEDs	Power, Ethernet, Wireless, DSL, Internet Status, Activity

#### ADSL PROTOCOLS

ITU 992.x (ADSL, ADSL2/2+)	ITU G.992.3 and G.992.5 Annex L (RE-ADSL2/2+), ITU G.992.3 Amendments 1 and 2 and G.992.5 Amendment 2 (INP up to 16), Annex A, Annex M
DSL Forum	TR-067 and TR-100 ADSL Performance
Other	ANSI T1.413 Issue 2, Dying Gasp, optional inside/outside pair, optional G.993.2 Annex I sealing/wetting current metallic termination

#### NETWORK PROTOCOLS

ATM Adaptation Layer 5 (AAL5)	Eight permanent virtual circuits (PVCs); UBR, CBR, VBRnrt, VBRrt; ITU-T I.610 (F4, F5) OAM
DSL Forum	TR-101 Migration to Ethernet-Based DSL
PPP	PAP, CHAP, IPCP, LCP, RFC 2516 PPP over Ethernet (PPPoE), RFC 2364 PPP over ATM (PPPoA)
DHCP	Client, server, relay with option and filter rules
Bridging/Routing	RFC 1483/2684
Other	IEEE 802.1Q VLAN, IPoE, 802.1X Supplicant, dynamic DNS

#### LAN

Ethernet	Four switched IEEE 802.3U 10/100 Ethernet ports with half-/full-duplex auto-negotiation and auto-MDIX crossover
VLAN Tagging	IEEE 802.1Q implicit or explicit port-based VLANs, IEEE 802.1P VLAN priority
LAN uplink port	

#### IEEE 802.11B/G WIRELESS

Transmission	High-power radio with 400 mW (26 dBm) transmit power on all channels, omni-directional antenna, optional reverse-SMA for external antenna
IEEE 802.11e WMM	Best effort, background, video, voice
Security and Registration	IEEE 802.1X; WEP 64, 128; WPA, WPA-PSK, IEEE 802.11i WPA2; MAC address filtering; WPS (optional push-button)
Other	Multiple SSIDs, Voice-over-Wi-Fi, Wi-Fi-certified (WPA2-Personal and WMM)

#### PACKET FORWARDING

Bridge/Router	IPv4 (IPv6-capable), static routes, RIP v1/v2
Network Address Port Translation	NAT pass-through pinhole, Application-Level Gateway
Diffserv	EF, AF, BE, NC, weighted fair queuing
IGMP v1, v2, v3	IGMP proxy, fast join/leave, IGMP snooping
Other	TCP, UDP, ARP, ICMP

#### SECURITY

Stateful firewall	
Denial-of-service protection	
VPN pass-through for PPTP, L2TP, IPSec	

#### DEVICE MANAGEMENT

Remote Management	DSL Forum TR-069 CPE WAN Management Protocol, DSL Forum TR-104 Provisioning Parameters for VoIP CPE, DSL Forum TR-111 Remote Management of Home Networking Devices, IEEE 802.3ah and 802.1ag Ethernet OAM, web UI (HTTP) and CLI (Telnet)
Local Management	DSL Forum TR-064 XML Configuration, UPnP, web UI (HTTP) and CLI (Telnet)
Utilities	Ping, traceroute, reverse DNS
Two-level password-protected access	
Statistic and log reporting, remote syslog	
Seven-layer diagnostics	

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#### REGULATORY

US	FCC Part 68, Part 15 Class B, UL 60950; CEC-compliant power supply
Canada	CS-03, ICES-003, RSS-210, CUL, CSA
Europe	R&TTE, EN 300 328, EN 301 489, ITU K.21; RoHS-compliant

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#### ENVIRONMENTAL

Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Storage Temperature	-40 °F to 185 °F (-40 °C to 85 °C)
Relative Humidity	5% to 90% (non-condensing)

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#### PHYSICAL

Weight	2.5 lb (1.13 kg)
Dimensions	7.7 in L x 6.7 in W x 1.5 in H (196 mm x 71 mm x 39 mm) DSL Forum TR-068-compliant industrial design
Horizontal or vertical placement	
Built-in wall-mounting keyholes	

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#### COMPATIBILITY

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



**MOTOROLA**



Motorola, Inc. 101 Tournament Drive, Horsham, Pennsylvania 19044 U.S.A. [www.motorola.com](http://www.motorola.com)

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