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2247-62

NETOPIA ® ADSL2+ WI-FI ®GATEWAY

The affordable, reliable residential gateway for optimized data, video, and voice.

Highlights
- Affordable Triple-Play for the Home

- IPTV and Video-on-Demand (VOD) support

- 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.

Product Overview
The Motorola Netopia 2247-62 ADSL2+ Wi-Fi gateway combines an ADSL2+ modem, four-port Ethernet switch, and 802.11b/g Wi-Fi radio for residential users to connect anywhere in the home. The 2247-62 features 3-D Reach® Express 802.11g/b Wi-Fi® technology with a 200mW radio and diversity antennas providing superior Wi-Fi reach and coverage.

With this full featured gateway, high-speed Internet connectivity is only the beginning. Support for Wi-Fi Multimedia (WMM) assures advanced QoS for Wi-Fi delivery of voice-over-IP (VoIP), IPTV, and streaming broadcast-quality video. With four 10/100 Ethernet ports, the 2247-62 can be used to set up a home network to share a printer, data, music, and video files.

User Friendly Installation
The gateway's friendly installation and ease of use is ideal for consumers who want a gateway that is simple to setup and protects their PC and other networked devices from security threats. Motorola gateways are supplied with an easy-to-use Motorola Wi-Fi installation wizard – an auto Wi-Fi provisioning tool – which seamlessly configures a secure Wi-Fi connection on a user's machine. When the Wi-Fi wizard is finished, a secure, encrypted Wi-Fi connection is established to the gateway, protecting the home and the user.

Wi-Fi Protected Setup
The 2247-62 is equipped with Wi-Fi Protected Setup pairing technology. Wi-Fi Protected Setup is a certification program from the Wi-Fi Alliance that is designed to ease the task of setting up and configuring Wi-Fi Security. Wi-Fi Protected Setup enables typical users who possess little understanding of traditional Wi-Fi configuration and security settings to automatically configure new Wi-Fi networks, add new devices, and enable security.

Service Assurance
The 2247-62 gateway with its advanced features helps service providers monetize broadband networks while improving efficiency and reducing costs. By combining the highest-performing and lowest cost of ownership gateways in the industry, with comprehensive remote management, high-availability, high-reliability, advanced security, easy-to-use Wi-Fi installation and pairing tools, Motorola is offering an all-in-one approach to broadband home networking.

Motorola CPEs are configured to be remotely manageable via industry standard TR-069, which allows the CPE to be interoperable with any ACS solution that follows the Broadband Forum's TR-069/TR-098 specification.

Motorola gateways include advanced security features such as stateful packet inspection firewall protection, Virtual DMZ, and Denial of Service (DoS) protection. Wi-Fi security mechanisms include 802.11i/WPA2 with Wi-Fi Protected Setup (WPS), MAC Address Filtering, and closed system mode. Motorola's embedded firmware enables Wi-Fi deployments with high levels of quality, reliability, and customer satisfaction, with low operational and support costs for the service provider.

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ECOMOTO™

Motorola's Netopia® Gateways are helping service providers lower their carbon footprint by helping them lower energy consumption and being environmentally friendly. Motorola has a global commitment to be part of the solution to climate change, working for years to continually improve the environmental profile of our products, operations and supply chain. We are in step with our customers and their increasing interest in partnering with a company that will help them reduce their environmental impact, while offering compelling products that will help them grow their eco-conscious customer base.

Motorola designed the next generation Netopia portfolio of customer premises equipment (CPE) to minimize its impact on the environment. Motorola's CPE comply with international environmental and energy efficient standards. The portfolio uses ENERGY STAR qualified power supplies and its devices and power supplies are compliant with European Code of Conduct regulations. In addition, the devices and power supplies are lead-free and RoHS compliant. The gateways are also equipped with low power wired and Wi-Fi consumption. The Wi-Fi scheduler auto disables the gateway's Wi-Fi Radio and the wired Ethernet switch can be set into low power mode when not in use. Finally, all new Netopia CPE use environmentally friendly package designs. The CPE are available in single bulk pack boxes – eliminating the use of suspension plastic and reducing box size – thereby reducing waste and transport costs. Motorola Netopia gateway's packaging is 100% recyclable and is marked with standard recycling codes to make it easier for our customers to identify recycling opportunities.

Specifications

INTERFACES
WAN
ADSL2/2+, RJ-11
LAN
802.11b/g Wi-Fi
Four-Port 10/100 Ethernet Switch, RJ-45
(One Port configurable as WAN uplink)

EMBEDDED FIRMWARE
Encoding and Access Protocols
ADSL Support
   ITU G.992.1 and ANSI T1.413 Issue2
ADSL2 Support
   ITU G.992.3 with Amendments 1 and 2 (INP up to 16)
ADSL2+ Support
   ITU G.992.5 with Amendment 2
Annex A, Annex L (RE-ADSL2/2+) and Annex M support
TR-067 and TR-100 Capable
ATM Adaptation Layer 5 (AAL5)
Eight Permanent virtual circuits (PVCs); UBR, CBR, VBRnrt, VBRrt
ITU-T 1.610 (F4/F5) OAM
DHCP Client, PPP, or 802.1x Supplicant Authentication
IP Addressing and Routing
IPv4 (IPv6 Capable)
DHCP Server/Relay
DNS Proxy, Dynamic DNS Support
Multiple Subnet Support
RIP1 & RIP2 and Static Routes
Traffic Management and QoS (Quality of Service)
Network Address Port Translation (NAPT)
Application Level Gateway (ALG) Support
IP Maps (Pinholes)
Diffserv QoS with Weighted Fair Queuing
IGMPv2, IGMPv3 with Fast Leave
IEEE 802.1P/Q VLANs
TR-101 Support
Security
Stateful Packet Inspection Firewall
Virtual DMZ/IP Pass-through
Denial of Service (DoS) Protection
VPN Pass-through (PPTP, L2TP, IPSec)
Device Management
Two-Level Password Protected Access
Statistics and Log Reporting
Remote Management
TR-069/TR-098, TR-104, TR-111, WebUI, CLI (Telnet), 802.1ag, 802.3ah
Local Management
TR-064, UPnP, WebUI, CLI (Telnet), Captive Portal
Utilities
Ping, Traceroute, Reverse DNS, NTP, Diagnostics
Localization
English, French, German, Italian, Portuguese (Brazil), Spanish (Latin America)

Wi-Fi
3-D Reach Express Wi-Fi
IEEE 802.11b/g
200mW (23dBm transmit power on all channels)
Wi-Fi Characteristics
1x2 Integrated Omni-directional antennas with Diversity
Wi-Fi Features
Multiple BSSID (unique authentication per SSID)
Wi-Fi Protected Setup (WPS)
Wi-Fi Multimedia (WMM), WMM-PS (power save)
Transmit Power Control
Wi-Fi Scheduler
Wi-Fi Security
WEP (64-bit, 128-bit, 256-bit) encryption
802.1x, WPA, WPA-PSK, 802.11i/WPA2, WPA2-PSK, EAP-TLS, EAP-TTLS, EAP-SIM
Block Wi-Fi Bridging
MAC Address Filtering

INSTALLATION WIZARD
PC
Windows 2000, XP SP2, Vista, and 7
Macintosh
OSX

REGULATORY COMPLIANCE
Americas
UL 60950, CUL, CSA, FCC Part 15 Class B, ICES-003, CEC Compliant, Energy Star
EMEA
EN 60950, EN 300 328, EN 301 489, RoHS Compliant, Code of Conduct (CoC) 2008 Compliant

ENVIRONMENTAL SPECIFICATIONS
Operating Temperature
0 °C to 40 °C (32 °F to 104 °F)
5% to 90% (Non Condensing) Relative Humidity
Storage Temperature
-40 °C to 85 °C (-40 °F to 158 °F)
Power Consumption
Max 540mA at 12VDC

PHYSICAL SPECIFICATIONS
Dimensions
1.2 in H x 6.8 in L x 5.2 in W (3.0 cm x 17.2 cm x 13.2 cm)
Weight
1.2 lbs (550kg) (unit carton)
Placement
Horizontal desktop or vertical wall mount placement

ORDERING INFORMATION
North America
2247-62-10NA
EMEA
2247-62-20EU

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

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