

Wireless-G ADSL Gateway

PRODUCT DATA

The All-In-One Solution for Internet Connectivity in Your Home



High-speed ADSL Modem gives you a fast, "Always On" connection to the Internet

Connect your PCs via the built-in Router and 4-port Switch to jump start your Ethernet network and share the Internet throughout your household

Built-in Wireless-G (802.11g) Access Point also lets you connect without running wires

Advanced firewall and security features protect your PCs, your data, and your home network

Features

Wireless

- 128, 64 bits WEP with Passphrase WEP key generation
- WPA & WPA2-Personal and Enterprise
- IEEE 802.1x with RADIUS and WPA/WPA2-Enterprise
- IEEE 802.11b/g standards compliance, IEEE 802.11e – Wireless Multimedia Extensions (WME) support
- Access restriction/access lists by MAC and IP addresses
- Transmit Power 18 dBm
- Data Rates: 6, 9, 12, 18, 24, 36, 48, 54Mbps with auto fallback at 11b data rate at 1, 2, 5.5, and 11Mbps
- 11 Channels for North America, 13 Channels for Europe

Security

- Password protected configuration for web access
- PAP and CHAP authentication
- URL filtering, and keyword, Java, ActiveX, Proxy, Cookie blocking
- ToD filter (Blocks Access by Time)
- Port Filtering, MAC and IP Address Filtering, DMZ Hosting, and NAT Technology
- Stateful Packet Inspection (SPI) firewall with Denial of Service (DoS) prevention
- Access Control Lists
- VPN Passthrough for IPSec, PPPoE, PPTP, and L2TP Protocols
- VPN termination – up to 5 IPSec tunnels
- Password Protected Admin and User Access Authority

Provisioning and Management

- Web GUI for easy configuration from any web browser
- Remote administration and remote upgrades available over the Internet
- E-mail and Web-based Logging of Security Events
- Supports traffic and event logging
- TR-069 – support for all required RPCs and parameters
- TR-064 (optional firmware)
- Remote access to CLI via Telnet
- Firmware upgrade via HTTP, TFTP
- Configuration file backup and restore
- SNMP v1, v2, v3 - MIB II, DSL Forum ADSL MIB, 802.11 MIB
- Diagnostics – Self test for Flash/RAM memory, LAN port, Wireless LAN
- DSL Statistics
- ITU-T I.610 – F5 Loopback
- ATM Ping, Ping Traceroute
- Linksys Syslog on LAN
- Reset to factory defaults

Package Contents

- Wireless-G ADSL Gateway
- Power Adapter
- User Guide on CD-ROM
- Network Cable
- Phone Cable
- Detachable Antenna

Minimum Requirements

- PC with a Network Adapter and the TCP/IP Protocol installed
- 64 MB of RAM
- CD-ROM Drive
- Internet Explorer 4.0 or Netscape Navigator 4.7 or Higher for Web-based Configuration
- Activated ADSL line

Features

Specifications

Physical Interfaces

- Power input and on/off switch
- ADSL - 1 port, RJ11 (Annex A model), RJ45 (Annex B model)
- Ethernet - 4 ports, RJ45, IEEE 802.3u, 10/100 Auto MDI/MDI-X LAN switch
- Reset Button
- LEDs - (per TR-068) Power (Red/Green), Wireless-G (Green), Ethernet (1-4) (Green), DSL (Green), Internet (Red/Green)
- Wireless – Single detachable antenna, IEEE 802.11g, IEEE 802.11b

DSL Standards

- Annex A, Annex B, UR-2 models, G.992.1 (G.dmt) , G.992.2 (G.lite), T1.413 Issue2, G.992.3 (ADSL2), G.992.4 (G.lite.bis), G.992.5 (ADSL2+), G.994.1 (G.hs), Dying Gasp, S=1/2, G.992.3 Annex L (RE-ADSL) and G.992.3 Annex M (Enhanced-Upstream ADSL)

ATM Specifications

- Support up to 8 PVC's, each configurable for UBR, CBR, VBR-nrt or VBR-rt, including traffic shaping
- RFC2684 LLC Encapsulation and VC Multiplexing over AAL5
- RFC2364 PPPoA
- RFC2225 Classical IP over ATM (CLIP)
- RFC1483 bridged, routed
- ITU-T I.610 OAM F5 Loop-back, AIS and RDI OAM Cells
- VPI Range (0-255)
- VCI Range (32-65535)

Bridging

- 802.1d transparent bridging, RFC2684/1483 bridged encapsulation, Supports bridging to Ethernet ports, WLAN, Simultaneous bridging and routing

Routing/Networking Functions

- NAT, NATP and PAT support
- ALGs, including HTTP, H.323, MSN Games, RTSP, SIP, NetMeeting, MSN Messenger, FTP, TFTP, PPTP/GRE, ESP, IRC, TALK, MMS, Quick Time, mIRC, Real Player, VPN pass through, and others
- DMZ
- DNS Server/Relay
- TFTP Client
- Protocols : TCP/IP, UDP, ICMP, ARP, ARP Proxy, DHCP, IPCP
- IGMP Proxy v1, v2
- IP QoS per TR-059:
 - US traffic forwarding based on:
 - destination IP address(es) with subnet mask
 - originating IP address(es) with subnet mask
 - source MAC address
 - protocol (TCP, UDP, ICMP)
 - source port
 - destination port
 - DiffServ codepoint (IETF RFC 3260)
 - IEEE 802.1Q VLAN identification and packet length.
 - One Best Effort (BE) queue, one Expedited Forwarding (EF) queue, four Assured Forwarding (AF) queues.
 - IP ToS (RFC 1349) for upstream queues
- UPnP, UPnP NAT Traversal
- MAC address filtering
- Static and Dynamic Routing (RIPv1 and v2)
- DHCP Server/Client/Relay
- NTP (Network Time Protocol) for Synchronizing with a Real-Time Server
- PVC to port mapping (Ethernet ports)

PRODUCT DATA

Model No. WAG54G v3

Environmental

Certifications				
• FCC Part 15B Subpart B Class B, FCC Part 15C Subpart B, FCC Part 68				
• Safety –UL 60950				
• UL 1950				
• RoHS compliant				
• WiFi				
Device Dimensions	W	H	D	Weight
English	5.51"	1.25"	5.51"	1.06 lbs or 16.93 oz
Metric	140	31.75	140 mm	0.48 kg
Power	12VDC 1A			
Certification	FCC Part 15B Class B, FCC Part 15C Class B, FCC Part 68, UL 1950, CSA, CE			
Operating Temp.	32 to104°F (0 to 40°C)			
Storage Temp.	-4 to158°F (-20 to 70°C)			
Operating Humidity	10 to 85%, Non-condensing			
Storage Humidity	5 to 90%, Non-condensing			

The Linksys Wireless-G ADSL Gateway is the all-in-one solution for Internet connectivity in your home. The ADSL Modem function gives you a blazing fast connection to the Internet, far faster than a dial-up, and without tying up your phone line.

Connect your computers to the Gateway via the built-in 4-port 10/100 Ethernet Switch to jump start your home network. You can share files, printers, hard drive space and other resources, or play head-to-head PC games. Attach four PCs directly, or connect more hubs and switches to create as big a network as you need. The built-in Wireless-G (802.11g) Access Point allows up to 32 wireless devices to connect to your network at a blazing 54Mbps, without running cables through the house. It's also compatible with Wireless-B (802.11b) devices, at 11Mbps. The Gateway's Router function ties it all together and lets your whole network share that high-speed Internet connection.

To protect your data and privacy, the Wireless-G ADSL Gateway features an advanced firewall to keep Internet intruders and attackers out. Wireless transmissions can be protected by powerful data encryption. Safeguard your family with Parental Control features like Internet Access Time Limits and Key Word Blocking. Configuration is a snap with any web browser.

With the Linksys Wireless-G ADSL Gateway at the heart of your home network, you're connected to the future.

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The maximum performance for wireless is derived from IEEE Standard 802.11 specifications. Actual performance can vary, including lower wireless network capacity, data throughput rate, range and coverage. Performance depends on many factors, conditions and variables, including distance from the access point, volume of network traffic, building materials and construction, operating system used, mix of wireless products used, interference and other adverse conditions.

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