

All-in-one Internet connectivity with enhanced speed and range

The Linksys Wireless-N ADSL2+ Gateway is the all-in-one solution for Internet connectivity. The ADSL2+ Modem function gives you a blazing fast connection to the Internet, far faster than a dial-up, and without tying up your phone line. The Router function lets you share your high-speed Internet connection with all the computers in the house. Share files, printers, hard drive space, and other resources by connecting your computers to the Gateway via the built-in 4-port 10/100 Ethernet Switch. Attach four wired computers directly, or connect more hubs and switches to create as big a network as you need.

Or, use the built-in Access Point to connect wireless devices to your network without running cables through the building. The Access Point built into the Gateway uses the very latest wireless networking technology, Wireless-N (draft 802.11n). By overlaying the signals of multiple radios, Wireless-N's "Multiple In, Multiple Out" (MIMO) technology multiplies the effective data rate. Unlike ordinary wireless networking technologies that are confused by signal reflections, MIMO actually uses these reflections to increase the range and reduce "dead spots" in the wireless coverage area, maintaining the wireless connection much farther than standard Wireless-G.

With Wireless-N, the farther away you are, the more speed advantage you get. It works great with standard Wireless-G and -B equipment, but when both ends of the wireless link are Wireless-N, the Gateway can increase the throughput even more by using twice as much radio band, yielding speeds far faster than standard Wireless-G. But unlike other speed-enhanced technologies, Wireless-N can dynamically enable this double-speed mode for Wireless-N devices, while still connecting to other wireless devices at their respective fastest speeds. In congested areas, the "good neighbor" mode ensures that the Router checks for other wireless devices in the area before gobbling up the radio band.

The Gateway protects your data and privacy with up to 256-bit industrial-strength encryption and 802.1x authentication and authorization. It also has a powerful SPI firewall to protect your computers against intruders and most known Internet attacks. Configuration is a snap with the web browser-based configuration utility.

With the Linksys Wireless-N ADSL2+ Gateway at the heart of your network, you're connected to the future.

DATASHEET

High-speed ADSL2+ Modem gives you a fast, "Always On" connection to the Internet

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

Built-in Wireless-N (draft 802.11n) Access Point also lets you connect without running wires—far faster than standard Wireless-G

MIMO technology uses multiple radios to create a robust signal that travels much farther with reduced dead spots



Wireless-N ADSL2+ Gateway

Model: **WAG160N**

Features

- All LAN ports support auto-crossover (MDI/MDI-X)—no need for crossover cables
- Wall-mountable
- Built-in ADSL modem with G.lite, G.dmt, ADSL2, ADSL2+, ADSL2 L, ADSL2 M, ADSL2+ M, and T1. 413 support
- Enhanced security management functions: Port Filtering, MAC and IP Address Filtering, DMZ Hosting, and NAT Technology
- Wi-Fi Protected Setup
- Supports Static and Dynamic Routing (RIP1 and 2)
- DHCP Server capability to assign IP addresses automatically
- Remote administration and remote upgrades available over the Internet
- E-mail and Web-based Logging of Security Events
- Supports traffic and event logging
- Support for NTP (Network Time Protocol) for Synchronizing with a Real-Time Server
- RFC1483, PPPoE and PPPoA encapsulations

Specifications

Model	WAG160N
Standards	IEEE Draft 802.11N v2.0, IEEE 802.11g, IEEE 802.11b, IEEE 802.3u, g.992.1 (g.dmt), g.992.2 (g.lite), g.992.3, g.992.5, T1.413i2, U-R2 for Annex B
Ports	Power, DSL, Ethernet (1-4)
Buttons	Reset, Wi-Fi Protected Setup
LEDs	Power, Wireless, Ethernet (1-4), DSL, Internet
Cabling Type	CAT 5 UTP, RJ-11, RJ-45
Number of Antennas	2 Internal
RF Power (EIRP) in dBm	17
Antenna Gain in dBi	2
Security Features	Password-protected Configuration for Web Access PAP and CHAP Authentication Denial of Service (DoS) Prevention Stateful Packet Inspection (SPI) Firewall AP Isolation Website Blocking by URL Address or Keyword Java, ActiveX, Proxy, and Cookie Filtering ToD Filter (blocks access by time) VPN Passthrough for IPSec, PPTP, and L2TP Protocols WPA/WPA2 Personal and Enterprise 128, 64 Bits WEP with Passphrase WEP Key Generation SSID Broadcast Disable Access Restriction by MAC and IP Addresses

Environmental

Dimensions	202 x 34 x 160 mm (8.0" x 1.3" x 6.3")
Weight	362 g (12.8 oz)
Power	12VDC 1A
Certification	FCC, CE, IC-03, Wi-Fi, A-Tick, Telepermit, IDA
Operating Temp.	0 to 40°C (32 to 104°F)
Storage Temp.	-20 to 70°C (-4 to 158°F)
Operating Humidity	10 to 85%, Noncondensing
Storage Humidity	5 to 90%, Noncondensing

Package Contents

- Wireless-N ADSL2+ Gateway; Setup CD-ROM with Linksys EasyLink Advisor (LELA); User Guide on CD-ROM; Ethernet Network Cable; Phone Cable (with Annex A units); Power Adapter

Minimum Requirements

- Computer with a Network Adapter and TCP/IP Protocol installed
- CD-ROM drive
- Activated ADSL Line and Account Information
- Windows XP or Vista to run the Setup CD
- Internet Explorer 6.0 or Firefox 2.0 for Web-based Configuration (only recommended for advanced users)

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.

Check the product package and contents for specific features supported. Specifications are subject to change without notice.



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