LINKSYS® by Cisco

CISCO™

All-in-one modem and router with enhanced speed and range

The Wireless-N ADSL2+ Modem Router 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 PCs in the house.

Share files, printers, hard drive space, and other resources by connecting your wired computers via the built-in 4-port 10/100 Ethernet Switch. Attach four devices 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 Modem Router 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, Wireless-N 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, you 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.

Your data and privacy is protected with up to 128-bit industrial-strength encryption and 802.1x authentication and authorization. The powerful SPI firewall helps protect your computers against intruders and most known Internet attacks. Configuration is a snap with the web browser-based configuration utility.

With the Wireless-N ADSL2+ Modem Router 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 PCs 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+ Modem Router

Model: WAG160N (EN)

Features

- All LAN ports support auto-crossover (MDI/MDI-X), LAN port #1 can be configured as Ethernet WAN port

- Enhanced security management functions: Port Filtering, MAC and IP Address Filtering, DMZ Hosting, and NAT Technology

- Wireless Access Lists to enhance wireless security. Supports WPA, WPA2, and Wi-Fi Protected Setup™.

- Supports VPN Passthrough for IPSec, PPTP, and L2TP Protocols

- 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

- Email 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

- Supports Yahoo search toolbar

- Wall-mountable

Specifications

Model	WAG160N
Standards	Draft 802.11n, 802.11g, 802.11b, 802.3u, G.992.1 (G.DMT), G.992.2 (G.Lite), G.992.3/4 (ADSL2), G.992.3 Annex L (ADSL2 L), G.992.3 Annex M (ADSL2 M), G.992.5 (ADSL2+), G.992.5 Annex M (ADSL2+ M), G.994.1 (G.hs), G.996.1 (G.test), T1.413i2
Ports	Power, DSL, Ethernet (1-4)
Buttons	On/Off, Reset, Wi-Fi Protected Setup™
LEDs	Power, Ethernet, Ethernet WAN, Security, Wireless, DSL, Internet
Cabling Type	CAT 5 UTP, RJ-11, RJ-45
No. of Antennas	2
Connector Type	Internal
RF Power (EIRP) in dBm	18
Antenna Gain in dBi	2
Security Features	Password Protected Configuration for Web Access
	PAP and CHAP Authentication
	SPI Firewall
	Denial of Service (DoS) Prevention
	URL Filtering, and Keyword, Java, ActiveX, Proxy, Cookie Blocking
	ToD Filter (Blocks Access by Time)
	VPN Passthrough for IPSec, PPTP, and L2TP Protocols
	128, 64 bits WEP with Passphrase WEP key generation
	WPA and WPA2 Personal and Enterprise
	Trend Micro (In Second Release)
	SSID Broadcast Disable
	Access Restriction by MAC and IP Addresses

Environmental

Dimensions	202mm x 34mm x 160mm (7.95" x 1.34" x 6.3")
Weight	0.362 kg (12.77 oz)
Power	12V 1A
Certification	FCC, CE, IC-03, Wi-Fi, A-Tick, Telepermit, IDA
Operating Temperature	0° C to 40° C (32° F to 104° F)
Storage Temperature	-20° C to 70° C (-4° F to 158° F)
Operating Humidity	10% to 85% Noncondensing
Storage Humidity	5% to 90% Noncondensing

Package Contents

- Wireless-N ADSL2+ Modem Router
- Setup CD-ROM
- User Guide on CD-ROM
- Ethernet Network Cable
- Phone Cable [Annex A only]
- Power Adapter

Minimum Requirements

- Internet Explorer 6.0, Safari 3.0, or Firefox 1.0 for Web-Based Configuration
- PC with CD-ROM Drive and a Network Adapter and the TCP/IP Protocol Installed
- Network Magic Basic and Setup Wizard software require up-to-date Windows XP, or a 32- or 64-bit edition of Vista or Windows 7
- Setup Wizard also runs under Mac OS X 10.4 or higher
- Activated ADSL Line and Account Information

Compatible with
Windows®7

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.

Specifications are subject to change without notice.

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