

## Do More, Faster

Enjoy fast wireless connectivity for your home or office. The Dual-Band Wireless-N ADSL2+ Modem Gigabit Router has a built-in high-speed ADSL2+ Modem for a fast, "Always On" connection to the Internet. Wireless connections are radio band selectable to avoid interference in your area, and the four built-in Gigabit ports supply high-speed connections to your wired devices.

### The Power of N

Connect everybody in your home at once without wires. Dual Wireless-N radio bands let you choose the one with the least interference in your area. Either one delivers high performance for smooth streaming video, high frame-rate gaming, fast data transfers, and heavy Internet use from multiple users— all with great range and reduced dead spots. It also connects to your existing Wireless-G, -B, or -A devices.

### Reliable Coverage

Experience coverage you can count on, all around your home. Wireless-N's Multiple in, Multiple Out MIMO technology actually uses the signal reflections that confuse ordinary wireless technologies to boost range and reduce dead spots.

### Connect Faster

Access more over your network. Connect Gigabit-enabled networked storage drives, computers, printers, and other devices to the four 10/100/1000 Gigabit Ethernet ports and break the bottlenecks other routers suffer.

### Advanced Security

Advanced wireless security and SPI firewall protection designed to help safeguard your home network and computers from most Internet attacks.

## DATASHEET

Cisco is the world wide leader in wireless networking

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Connect and share a high-speed ADSL line

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Radio band selectable to avoid interference

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Connect USB storage for access to data and media files at home or through the Internet

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## Dual-Band Wireless-N ADSL2+ Modem Gigabit Router

Model: WAG320N (EU)

## Features

- Complies with IEEE draft 802.11n version 2.0 standards
- Selectable radio band: 2.4 or 5 GHz
- Blazing fast wireless speeds for high bandwidth applications such as video streaming or file sharing
- Performance investment protection: Compatibility with Wireless-A (802.11a), Wireless-B (802.11b) and Wireless-G (802.11g) standards
- All ports support Gigabit speed and auto-crossover (MDI/MDI-X)—no need for crossover cables (Port 1 can be configured as WAN port)
- Wireless Access Lists to enhance wireless security, support WPA, WPA2, and Wi-Fi Protected Setup
- Built-in Storage Link transforms any USB storage device into a NAS
- Built-in Media Server streams music, video, and photos to any UPnP-compatible media adapter
- MIMO technology uses multiple radios to create a robust signal that travels farther and faster, with reduced dead spots
- Wall mountable
- Supports Yahoo search toolbar



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## Specifications

Model	WAG320N
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	DSL, Ethernet (1-4), USB, Power
Buttons	Reset, Wi-Fi Protected Setup, Power
LEDs	Power, Ethernet (1-4), Ethernet WAN, USB, Wireless, DSL, Internet
Cabling Type	CAT 5 UTP, RJ-11, RJ-45
# of Antennas	3
Connector Type	Internal
Detachable (y/n)	N
RF Pwr (EIRP) in dBm	2.4 GHz 802.11b: 17.5+/-1.5 dBm Typical @ Normal Temp Range 802.11g: 17.5+/-1.5 dBm Typical @ Normal Temp Range Wireless-N 20 MHz: 13.5+/-1.5 dBm Typical @ Normal Temp Range Wireless-N 40 MHz: 13.5+/-1.5 dBm Typical @ Normal Temp Range 5 GHz 802.11a: 13.5+/-1.5 dBm Typical @ Normal Temp Range Wireless-N 20 MHz: 8.5+/-1.5 dBm Typical @ Normal Temp Range Wireless-N 40 MHz: 11+/-1.5 dBm Typical @ Normal Temp Range 2.4 GHz: PIFA 1 & PIFA 2 & PIFA 3 <= 4.2 dBi (Typical) 5 GHz: PIFA 1 & PIFA 2 & PIFA 3 <= 4.2 dBi (Typical)
Antenna Gain in dBi	
UPnP able/cert	Able
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 SSID Broadcast Disable Access Restriction by MAC and IP Addresses 64, 128
Security Key Bits	
<b>Environmental</b>	
Dimensions	202 x 34 x 160 mm
Weight	362 g
Power	12V, 1,25A
Certification	FCC, CE, IC-03, Wi-Fi, A-Tick, Telepermit. IDA
Operating Temp.	0 to 40°C
Storage Temp.	-20 to 70°C
Operating Humidity	10 to 85%, Noncondensing
Storage Humidity	5 to 90%, Noncondensing

## Package Contents

- Dual-Band Wireless-N ADSL2+ Modem Gigabit Router
- Setup Software and User Guide on CD-ROM
- Ethernet Network Cable
- Phone Cable
- Power Adapter

## Minimum Requirements

- Internet Explorer 6, Safari 3, or Firefox 2 or Higher for Browser-Based Configuration
- CD or CD/DVD Drive
- Network Magic Basic and Setup Wizard Software Require Up-to-Date Windows XP, Vista, or Vista 64-Bit Edition
- Setup Wizard also Runs under Mac OS X 10.4 or Higher

## Adapter Requirements

If your computer or peripheral device does not have built-in wireless capability, you will need to purchase an external adapter.

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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