

## All-In-One Convenience

Enjoy fast wireless connectivity for your home or office. The Wireless-N Home ADSL2+ Modem Router has a built-in high-speed ADSL2+ Modem for a fast, "Always On" connection to the Internet. Wireless connections use Wireless-N technology for fast data transfers, and the four built-in 10/100 Ethernet ports supply high-speed connections to your wired devices.

### Step up to the speed of Wireless-N

Easily create an around-the-home wireless network experience. Wireless-N technology allows your whole family to share one broadband Internet connection. Great for wireless printing and sharing files. Get best results when connecting to other Wireless-N devices, but also works great with Wireless-G and -B equipment.

### Connection Versatility

Keep your digital files in one place, and share them from any computer on your network. Four built-in 10/100 Ethernet ports make it easy to connect additional wired computers, storage, printers, and other wired devices to your network.

### Advanced Security

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

## DATASHEET

Cisco is the worldwide leader in wireless networking

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Step up to the speed of Wireless-N

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Connect and share a high-speed ADSL line

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Easy to install on a Windows PC or Mac with Cisco Setup Wizard

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# Wireless-N Home ADSL2+ Modem Router

Model: WAG120N (EN)

## Features

- ADSL modem router with Multi-Mode support:
  - ADSL - T1.413 Issue 2, G.992.1 (g.dmt), G.992.2 (G.Lite)
  - ADSL 2 - G.992.3, G.992.3 Annex L, G.992.3 Annex M
  - ADSL 2+ - G.992.5, G.992.5 Annex M
  - DTAG U-R2 for Annex B ADSL over ISDN
- Wall mountable
- Industrial-strength wireless encryption WPA2™ to ensure security
- Double the speed of G when used with Wi-Fi Certified Draft 802.11n devices. Also works great with older G products.
- Complies with IEEE 802.11g and 802.11b standards, and compatible with some IEEE 802.11n draft 2.0 features.
- DHCP Server capability to assign IP addresses automatically
- Denial of Service (DoS) prevention helps prevent Ping of Death, SYN Flood, Land Attack, and IP Spoofing
- Enhanced security management functions: Port Filtering, MAC and IP Address Filtering, DMZ Hosting, and NAT Technology



Cisco Consumer Business Group

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## Specifications

Model	WAG120N
Standards	WLAN: 802.11n draft 2.0, 802.11g, 802.11b Ethernet: 802.3, 802.3u ADSL: T1.413i2, G.992.1 (G.DMT), G.992.2 (G.Lite), G.992.3 (ADSL2), G.992.5 (ADSL2+) for Annex A, B, M, L, U-R2 for Annex B
Ports	DSL, Ethernet (1-4), Power
Buttons	On/Off, Reset, Wi-Fi Protected Setup™
LEDs	Power, Ethernet (1-4), Security, Wireless, DSL, Internet
Cabling Type	CAT5, RJ-11 (for Annex A), RJ-45 (for Annex B)
Antennas	2 Internal
Modulations	802.11b: CCK/QPSK, BPSK 802.11g: OFDM/BPSK, QPSK, 16-QAM, 64-QAM 802.11n: OFDM/BPSK, QPSK, 16-QAM, 64-QAM
Transmit Power	802.11b: 17,0 ± 1,0 dBm 802.11g: 15,0 ± 1,0 dBm 802.11n: 13,0 ± 1,5 dBm
Receive Sensitivity	-80 dBm (typical) @ 11 Mbps -70 dBm (typical) @ 54 Mbps -61 dBm (typical) @ 130 Mbps -61 dBm (typical) @ 270 Mbps
Antenna Gain	1,8 dBi
Security Features	WPA2™/WPA™ Personal and Enterprise; 128, 64 bits WEP; MAC Address Filtering; SPI Firewall

## Environmental

Dimensions	202 x 34 x 160 mm
Weight	362 g
Power	12VDC, 1A
Certification	FCC, CE, Telepermit, K.21, UL, CB, Wi-Fi (802.11b/g), WPA™, WPA2™, WMM, Wi-Fi Protected Setup™
Operating Temp.	0 to 40° C (32 to 104° F)
Storage Temp.	-20° C to 70° C (-4 to 158° F)
Operating Humidity	10 to 85% Noncondensing
Storage Humidity	5 to 90% Noncondensing

## Package Contents

- Wireless-N Home ADSL2+ Modem Router
- Setup Software and User Guide on CD-ROM
- Ethernet Network Cable
- Telephone Cable (Annex A)
- Power Adapter

## Minimum Requirements

- Active ADSL Line and Account Information
- Internet Explorer 6, Safari 3 or Firefox 2 or Higher for Browser-Based Configuration
- CD or CD/DVD Drive
- Network Magic Basic Software requires up-to-date Windows XP, Vista, or Vista 64-bit Edition
- Setup Wizard also runs under Mac OS X 10.4 or higher

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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