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Incredible coverage and performance for your Connected Home

The Wireless-N Gigabit Router is really three devices in one box. First, there's the Wireless Access Point, which lets you connect to the network without wires. There's also a built-in 4-port full-duplex Gigabit Switch to connect your wired-Ethernet devices together. Finally, the Router function ties it all together and lets your whole network share a high-speed cable or DSL Internet connection.

The Access Point built into the 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, MIMO actually uses these reflections to increase the range and reduce "dead spots" in the wireless coverage area. The robust signal travels farther, maintaining wireless connections 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 router 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.

To help protect your data and privacy, the Router can encode all wireless transmissions with industrial-strength 256-bit encryption. It can serve as your network's DHCP Server, has a powerful SPI firewall to protect your PCs against intruders and most known Internet attacks, and supports VPN pass-through. Configuration is a snap with the web browser-based configuration utility.

The incredible speed of Wireless-N makes it ideal for media-centric applications like streaming video, gaming, and Voice over IP telephony, and gives you plenty of headroom to run multiple media-intense data streams through the network at the same time, with no degradation in performance. With the Linksys Wireless-N Gigabit Router at the center of your home or office network, you can share a high-speed Internet connection, files, printers, and multi-player games, and run media-intensive applications at faster than 10/100 wired network speeds, without the hassle of stringing wires!

DATASHEET

Internet-sharing Router and 4-port Gigabit Switch, with a built-in speed and range enhanced Wireless Access Point

MIMO technology uses multiple radios per band to create robust signals for maximum range and speed, with reduced dead spots

Much faster than Wireless-G, but also works great with Wireless-G and -B devices

Wireless signals are protected by industrial-strength encryption, and your network is protected from Internet attacks by a powerful SPI firewall

Wireless-N Gigabit Router

Model: WRT310N



Features

- Complies with IEEE draft 802.11n standards
- Blazing fast wireless speeds for high bandwidth applications such as video streaming or file sharing
- Unsurpassed wireless security with 256-bit encryption
- Expanded wireless coverage—far more range than 802.11g products
- All ports support Gigabit speed and auto-crossover (MDI/MDI-X)—no need for crossover cables

Specifications

Model	WRT310N
Standards	Draft 802.11n v2.0, 802.11g, 802.11b, 802.3, 802.3u, 802.3ab
Ports	Power, Internet, Ethernet
Buttons	Reset, Wi-Fi Protected Setup
LEDs	Ethernet (1-4), Wi-Fi Protected Setup, Wireless, Internet, Power
Cabling Type	CAT 5e
# of Antennas	3
Detachable (Y/N)	No
RF Pwr (EIRP) in dBm	17
UPnP able/cert	Able
Security Features	Up to 256-Bit Wireless Encryption, SPI Firewall
Security Key Bits	64, 128, 256

Environmental

Dimensions	7.95" x 1.34" x 6.30" (202 x 34 x 160 mm)
Weight	11.99 oz (0.34 kg)
Power	12V, 1A
Certification	FCC, CE, IC-03
Operating Temp.	32 to 104°F (0 to 40°C)
Storage Temp.	-4 to 158°F (-20 to 70°C)
Operating Humidity	10 to 85% Noncondensing
Storage Humidity	5 to 90% Noncondensing

Package Contents

- Wireless-N Gigabit Router
- Setup CD-ROM with Norton Internet Security
- User Guide on CD-ROM
- Quick Install
- Ethernet Network Cable
- Power Adapter

Minimum Requirements

- Internet Explorer 6.0 or Firefox 1.0
- CD-ROM Drive
- Windows XP or Vista
- Wired or Wireless* Network Adapter

*For optimum wireless performance, we recommend Linksys Wireless-N adapters (WPC300N, WMP300N, or WUSB300N).



Linksys
A Division of Cisco Systems, Inc.
121 Theory
Irvine, CA 92617 USA

E-mail: sales@linksys.com

Web: www.linksys.com

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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.

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



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