LINKSYS® by Cisco

CISCO™

Command Performance

Built for speed – optimized for media. Music, movies, gaming: whatever you're into, the Simultaneous Dual-N Band Wireless Router delivers double the bandwidth and media-optimized performance so you can enjoy it more smoothly, with less lag, all around your home. Easy to use and setup; includes Mac setup wizard.

Double Bandwidth

Experience faster wireless connectivity with fewer interruptions with two bands of Wireless-N, today's most advanced wireless technology. The 5 GHz and 2.4 GHz bands are designed to work separately yet simultaneously, so you can easily customize your ideal configuration – for example, use the 2.4 GHz band to surf, email and print while keeping the less crowded 5 GHz band free for time sensitive traffic like music, gaming and high-definition video. Built-in Media Optimized Networking technology gives time-sensitive traffic priority, so your media can run more smoothly, with fewer interruptions.

Extended Coverage

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 help boost range and reduce dead spots, while its ultra-wide bandwidth greatly reduces interference from nearby wireless devices.

Gigabit Connectivity

Four integrated Gigabit Ethernet ports let you connect networked storage, computers, and other devices directly to your network and access them at much faster speeds. Storage Link provides USB connectivity for hard drives and memory stick.

Advanced Security

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

DATASHEET

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

Two simultaneous, separate, radio bands double your available bandwidth

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

Connect a hard drive or flash-based USB storage device to allow access to your music, video, or data files from within your network, or through the Internet

Advanced wireless security and SPI firewall for protection from Internet attacks

Simultaneous Dual-Band Wireless-N Gigabit Router

Model: **WRT610N**

Features

- **Built-in Storage Link, transform any USB storage device into a NAS**

- **Built-in Media Server, streams music, video, and photos to any UPnP compatible media adapter**

- **Blazing fast wireless speeds for high bandwidth applications such as video streaming or file sharing**

- **All ports support Gigabit speed and Auto-Crossover (MDI/MDI-X) -- no need for crossover cables**

- **MIMO technology uses multiple radios to create a robust signal that travels farther and faster, with reduced dead spots.**

- **Performance Investment Protection: Compatibility with Wireless-A (802.11a), Wireless-B (802.11b) and Wireless-G (802.11g) Standards**

- **Supports up to 128-bit encryption**

Specifications

Model	WRT610N
Standards	Draft 802.11n, 802.11a, 802.11g, 802.11b, 802.3, 802.3u, 802.3ab
Ports	Power, Ethernet 1-4, Internet, USB
Buttons	Power, Reset, Wi-Fi Protected Setup
LEDs	Power, USB, Internet, Wireless, Wi-Fi Protected Setup, Ethernet (1-4)
# of Antennas	6 total, 3 internal antennas per each 2.4GHz & 5GHz radio band
Detachable (y/n)	No
Modulations	802.11b: CCK, QPSK, BPSK, 802.11g: OFDM, 802.11a: OFDM, Wireless-N: BPSK, QPSK, 16-QAM, 64-QAM

RF Pwr (EIRP) in dBm

2.4GHz output power per TX chain

802.11b:	Max. 20.5dBm @ All rate
802.11g:	Max. 20.5dBm @ Low rate
	Max. 19.5dBm @ High rate
Wireless-N 20MHz:	Max. 20.5dBm @ Low rate
	Max. 18.5dBm @ High rate
Wireless-N 40MHz:	Max. 17.0dBm @ All rate

5GHz output power per TX chain

UNII-1 (5150-5250GHz)

802.11a:	Max. 14.0dBm @ All rate
Wireless-N 20MHz:	Max. 11.5dBm @ All rate
Wireless-N 40MHz:	Max. 12.0dBm @ All rate

UNII-3 (5725-5850GHz)

802.11a:	Max. 17.5dBm @ High rate
802.11a:	Max. 20.0dBm @ Low rate
Wireless-N 20MHz:	Max. 17.5dBm @ High rate
Wireless-N 20MHz:	Max. 20.0dBm @ Low rate
Wireless-N 40MHz:	Max. 17.5dBm @ High rate
Wireless-N 40MHz:	Max. 21.0dBm @ Low rate

Receive Sensitivity

2.4GHz

11Mbps:	-87dBm @ Typical
54Mbps:	-77dBm @ Typical
MCS15 (20MHz):	-71dBm @ Typical
MCS15 (40MHz):	-68dBm @ Typical

5GHz

54Mbps:	-74dBm @ Typical
MCS15 (20MHz):	-68dBm @ Typical
MCS15 (40MHz):	-65dBm @ Typical

Antenna Gain in dBi	2.4GHz: RIFA 1 & RIFA 2 & RIFA 3 <= 4dBi (Typical)
	5GHz: RIFA 1 & RIFA 2 & RIFA 3 <= 3.5dBi (Typical)
UPnP	Supported
Security features	WEP, WPA, WPA2
Security key bits	Up to 128-bit encryption

Environmental

Dimensions	8.86" x 1.38" x 7.09" (225 x 35 x 180 mm)
Weight	15.94 oz (452 g)
Power	12V, 2A
Certification	FCC, IC, CE, Wi-Fi a/b/g/draft-n, Recycle logo, Energy Star EPS, Mac
Operating Temp.	32 to 104°F (0 to 40°C)
Storage Temp.	-4 to 140°F (-20 to 60°C)
Operating Humidity	10 to 80% Noncondensing
Storage Humidity	5 to 90% Noncondensing

Package Contents

- Simultaneous Dual-Band Wireless-N Gigabit Router
- Setup software and User Guide on CD-ROM
- Ethernet network cable
- Quick Installation Guide
- 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 software and Setup Wizard require 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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