LINKSYS® by Cisco

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CISCO ™

Radio band selectable to avoid wireless congestion!

The Ultra RangePlus Wireless-N PCI Adapter with Dual-Band adds wireless connectivity to your desktop computer. Install it into an available slot in your computer, and enjoy great high-speed wireless network access without running wires.

The Wireless-N PCI Adapter uses the very latest wireless networking technology, Wireless-N (draft 802.11n). By overlaying the signals of multiple radios for each band, Wireless-N's "Multiple In, Multiple Out" (MIMO) technology is designed to multiply 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, -A, and -B equipment, but when both ends of the wireless link are Wireless-N, the throughput can be increased far beyond standard Wireless-G by using twice as much radio band.

Dual-band wireless networks are designed to operate in both the 2.4 and 5 gigahertz radio bands at the same time, effectively doubling the available wireless bandwidth. For instance, you could set up your network to handle video streaming on one radio band, and use the other band for simultaneous data transfers -- avoiding any interference or collisions that would degrade the video performance. The Wireless-N PCI Adapter with Dual-Band allows you to connect using whichever band works the best for your situation.

To help protect your data and privacy, your wireless connection is protected by industrial-strength WPA2™ encryption. The included Setup Wizard will walk you through configuring the Adapter to your network's settings, step by step.

High-speed Wireless-N is 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. Get your computer connected to either band of Wireless-N, and also Wireless-G, Wireless-A, and Wireless-B networks with the Ultra RangePlus Wireless-N PCI Adapter with Dual-Band from Linksys.

DATASHEET

#1 choice for consumer wireless networking worldwide

Connect from farther away – network faster than ever before*

Built for today's needs and tomorrow's digital home

Easy installation and setup – up and running in minutes

Wireless-N PCI Adapter with Dual-Band

Model: **WMP600N**

Features

- High-speed Dual-Band Wireless-N (Draft 802.11n) networking for your desktop PC

- Supports up to 128-bit encryption security

- MIMO technology uses multiple radios to create a robust signal that travels farther and reduces dead spots

- Easy to use Setup Wizard

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

- Compatible with Windows 2000, XP, Vista, or Vista 64-bit

Specifications

Model	WMP600N	
Standards	IEEE 802.11a/b/g, IEEE 802.11n Draft 2.0	
LEDs	Link/Act	
# of Antennas	2 External Dipole Antennas	
Connector type	R-SMA	
Detachable (y/n)	yes	
RF Pwr (EIRP) in dBm	802.11n @ 2.4GHz:	13.5dBm ±1dBm
	802.11n @ 5GHz:	12dBm ±1.5dBm
	802.11g:	13.5dBm ±1dBm
	802.11a:	12dBm ±1.5dBm
Receive Sensitivity	802.11a/g 16Mbps:	10-5 BER @ -90dBm, typical
	802.11a/g 54Mbps:	10-5 BER @ -72dBm, typical
	802.11n BW 20MHz:	MCS8 10-5 BER @ -90dBm, typical
	802.11n BW 20MHz:	MCS15 10-5 BER @ -70dBm, typical
	802.11n BW 40MHz:	MCS8 10-5 BER @ -85dBm, typical
	802.11n BW 40MHz:	MCS15 10-5 BER @ -65dBm, typical
Antenna Gain in dBi	802.11g @ 2.4GHz: 2dBi	
	802.11a @ 5GHz: 2dBi	
Security features	WEP, WPA & WPA2 Personal, WPA & WPA2 Enterprise	
Security key bits	Up to 128-bit encryption	

Environmental

Dimensions	4.72" x 2.54" x .06" (119.9 x 64.4 x 1.6 mm)
Weight	3.25 oz (92 g)
Certification	FCC, UL, IC, CE, RoHS, Wi-Fi a/b/g/n Draft 2.0
Operating Temp.	32 to 113°F (0 to 45°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 PCI Adapter with Dual-Band
- Setup Wizard CD-ROM
- User Guide on CD-ROM
- Quick Installation Guide
- Antennas (2)
- Low-Profile Bracket

Minimum Requirements

- 600 MHz or Faster PC
- 512 MB of RAM
- CD-ROM Drive
- Available PCI Slot
- Up-to-date Windows 2000, XP, Vista or Vista 64-bit Edition

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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Model: WMP600N