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# High-speed Wireless-N Notebook Network Adapter for your business

The Wireless-N Notebook Adapter is the simple way to add or upgrade wireless connectivity in your notebook computer. Just slide it into your notebook's PC Card slot and enjoy incredible high-speed wireless network access while retaining true mobility.

The Wireless-N Notebook Adapter 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 significantly further than standard Wireless-G.

With Wireless-N, the further 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 throughput can be increased even more by using twice as much radio band.

Once you're connected you can keep in touch with your e-mail, access the Internet, and share files and other resources, like printers and network storage, with other computers on the network. It doesn't matter where your work takes you, you can access the web or use instant messaging to communicate with your virtual office. You will also be able to connect with any of the growing number of public hotspots in coffee shops, airport lounges, hotels, and convention centers. 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.

The incredible speed of Wireless-N makes the Adapter ideal for media-centric applications, like streaming video and Voice over IP telephony. You will have plenty of bandwidth to simultaneously run multiple media-intense data streams through the network with no degradation in performance. Get your notebook connected to Wireless-N, Wireless-G, and Wireless-B networks with the Wireless-N Notebook Adapter from Linksys.

Used together with a Linksys WAP4400N, the New AP and New Client Detection functions detect and alert you of a previously unseen AP or a new client. Visibility and protection combined with versatility and performance make the Wireless-N Notebook Network Adapter ideal for your business needs.



WPC4400N

High-speed Wireless-N Notebook Adapter for your business

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

Significantly faster than Wireless-G, but can also connect to Wireless-G and -B networks

Advanced wireless security using Wi-Fi Protected Access™ (WPA2) with up to 256-bit encryption, and New AP/Client detection gives your business the visibility and protection it needs

## PRODUCT DATA

# Wireless-N Business Notebook Adapter

## BUSINESS SERIES

Model: WPC4400N



## Features

- Wireless-N (Draft 802.11n) wireless networking technology
- Increases range and speed over Wireless-G (802.11g) standard
- Performance Investment Protection: Compatibility with Wireless-B (802.11b) and Wireless-G (802.11g) Standards
- Easy-to-use Setup Wizard
- Security Monitor (New AP Detection, New Client Detection - detected by AP)
- Supports WEP, WPA-Personal, WPA2-Personal, WPA-Enterprise, WPA2-Enterprise, authentication (802.11i ready)
- 32-bit CardBus Interface
- Plug-and-Play operation provides easy setup
- Compatible with Microsoft Windows 2000 SP4 (or later), and XP SP2 (or later)

## Linksys

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Linksys products are available in more than 50 countries, supported by 12 Linksys Regional Offices throughout the world. For a complete list of local Linksys Sales and Technical Support contacts, visit our Worldwide Web Site at [www.linksys.com](http://www.linksys.com).

## PRODUCT DATA

## BUSINESS SERIES

# Wireless-N Business Notebook Adapter

## Specifications

Model	WPC4400N
Standards	Draft IEEE802.11n, IEEE802.11g, IEEE802.11b, 802.1x (Security Authentication), (802.1i), 802.11b/802.11g/Wireless-N (20MHz/40MHz)
Channels	11 channels (US, Canada) 13 channels (Europe)
LEDs	Power, Link
Modulations	802.11b: DSSS: CCK, QPSK, BPSK 802.11g: OFDM Wireless-N: OFDM
Transmitted Power	802.11b: 17 dBm@1TX; 20 dBm@2TX 802.11g: 13 dBm@1TX; 16 dBm@2TX Wireless-N: 13 dBm@1TX/Span 20; 16 dBm@2TX/Span 20 Wireless-N: 13 dBm@1TX/Span 40; 16 dBm@2TX/Span 40 Tolerance: +/- 1.5dB
Receive Sensitivity	-86dBm @ 802.11b, 11Mbps, PER <= 8% -75dBm @ 802.11g, 54Mbps, PER <= 10% -88dBm @ Wireless-N 6.5Mbps, PER <= 10% -70dBm @ Wireless-N 65Mbps, PER <= 10% -69dBm @ Wireless-N 135Mbps, PER <= 10%
Power Consumption	TX: <600mA @ 2TX (Maximum) RX: <550mA @ 3RX (Maximum)
Security features	WEP, WPA-Personal, WPA-Enterprise, WPA2-Personal, WPA2 Enterprise, Security Monitor with New AP and New Client Detection

## Environmental

Dimensions	4.88" x 0.53" x 2.13"
W x H x D	(124 mm x 13.5 mm x 54 mm)
Unit Weight	0.11 lb (5 g)
Power	3.3V
Certification	FCC
Operating Temp.	0 to 60°C (32 to 140°F)
Storage Temp.	-20 to 80°C (-4 to 176°F)
Operating Humidity	10% to 80% non-condensing
Storage Humidity	5% to 90% non-condensing

## Package Contents

- Wireless-N Business Notebook Adapter
- Setup Wizard CD-ROM
- User Guide on CD-ROM
- Quick Installation

## Minimum Requirements

- 600 MHz or Faster PC
- At Least 256 MB of RAM Memory
- CD-ROM Drive
- Available CardBus Slot for Wireless-N Business Notebook Adapter
- Windows 2000 with Service Pack 4 (or later), or XP with Service Pack 2 (or later)

WPC4400N-DS-60719-SW

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