

Cisco WPC4400N Wireless-N Business Notebook Adapter Cisco Small Business Wireless Adapters

High-Speed Wireless-N Notebook Network Adapter for Your Small Business

Highlights

- Upgrades wireless connectivity in notebook computers to high-bandwidth 802.11n standard that is backward compatible with 802.11b and g devices
- Increases wireless throughput and range and expands the range to reduce “dead spots” in the wireless coverage area with MIMO technology
- Protects network traffic to safeguard business information with enhanced security, including advanced encryption and security monitoring for additional visibility
- Easy installation with setup wizard

Figure 1. Cisco WPC4400N Wireless-N Business Notebook Adapter



Product Overview

The Cisco® WPC4400N Wireless-N Business Notebook Adapter (Figure 1) 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 high-speed wireless network access while retaining true mobility.

The Cisco WPC4400N uses the very latest wireless networking technology, Wireless-N (draft 802.11n). By overlaying the signals of multiple radios, Wireless-N's multiple-input, multiple-output (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 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 Wireless-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 email, access the Internet, and share files and other resources, such as printers and network storage, with other computers on the network. No 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 Wi-Fi Protected Access (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 Cisco WPC4400N ideal for media-centric applications, such as streaming video and voice over IP (VoIP) 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 Cisco WPC4400N Wireless-N Business Notebook Adapter.

Used together with a Cisco WAP4400N Wireless-N Access Point, the New Access Point and New Client Detection functions detect and alert you of a previously unseen access point or a new client. Visibility and protection combined with versatility and performance make the Cisco WAP4400N ideal for your business needs.

Features

- Wireless-N (draft 802.11n) wireless networking technology
- Increases range and speed over the Wireless-G (802.11g) standard
- Compatible with the Wireless-B (802.11b) and Wireless-G (802.11g) standards
- Easy-to-use setup wizard
- Security monitor (New Access Point Detection, New Client Detection, detected by access point)
- Supports Wired Equivalent Privacy (WEP), WPA-Personal, WPA2-Personal, WPA-Enterprise, and WPA2-Enterprise authentication (802.11i ready)
- 32-bit CardBus interface
- Plug-and-play operation provides easy setup
- Compatible with Microsoft Windows 2000 Service Pack 4 or later, and XP Service Pack 2 or later

Specifications

Table 1 contains the specifications, package contents, and minimum requirements for the Cisco WPC4400N Wireless-N Business Notebook Adapter.

Table 1. Specifications for the Cisco WPC4400N Wireless-N Business Notebook Adapter

Specifications	
Standards	Draft IEEE 802.11n, IEEE 802.11g, IEEE 802.11b 802.1X (security authentication), 802.1i
Channels	11 channels (U.S., 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 at 1 TX; 20 dBm at 2 TX 802.11g: 13 dBm at 1 TX; 16 dBm at 2 TX Wireless-N: 13 dBm at 1 TX/Span 20; 16 dBm at 2 TX/Span 20 Wireless-N: 13 dBm at 1 TX/Span 40; 16 dBm at 2 TX/Span 40 Tolerance: +/- 1.5dB
Receive sensitivity	-86 dBm at 802.11b, 11 Mbps, PER <= 8% -75 dBm at 802.11g, 54 Mbps, PER <= 10% -88 dBm at Wireless-N 6.5 Mbps, PER <= 10% -70 dBm at Wireless-N 65 Mbps, PER <= 10% -69 dBm at Wireless-N 135 Mbps, PER <= 10%
Power consumption	TX: <600 mA at 2 TX (maximum) RX: <550 mA at 3 RX (maximum)
Security features	WEP, WPA-Personal, WPA-Enterprise, WPA2-Personal, WPA2-Enterprise Security monitor with New Access Point and New Client Detection
Environmental	
Dimensions W x H x D	4.88 x 0.53 x 2.13 in. (124 x 13.5 x 54)
Unit weight	0.11 lb (5 g)
Power	3.3V
Certification	FCC
Operating temperature	0° to 60°C (32° to 140°F)
Storage temperature	-20° to 80°C (-4° to 176°F)
Operating humidity	10% to 80% noncondensing
Storage humidity	5% to 90% noncondensing
Package Contents	
<ul style="list-style-type: none"> • Cisco WPC4400N Wireless-N Business Notebook Adapter • Setup wizard CD-ROM • User guide on CD-ROM • Quick installation 	
Minimum Requirements	
<ul style="list-style-type: none"> • 600-MHz or faster PC • At least 256 MB of RAM • CD-ROM drive • Available CardBus slot • Windows 2000 with Service Pack 4 or later, or XP with Service Pack 2 or later 	
Product Warranty	
3-year limited hardware warranty with return to factory replacement and 90-day limited software warranty.	

Cisco Limited Warranty for Cisco Small Business Series Products

This Cisco Small Business product comes with a 3-year limited hardware warranty with return to factory replacement and a 90-day limited software warranty. In addition, Cisco offers software application updates for bug fixes and telephone technical support at no charge for the first 12 months following the date of purchase. To download software updates, go to:

<http://www.cisco.com/go/smallbiz>.

Product warranty terms and other information applicable to Cisco products are available at

<http://www.cisco.com/go/warranty>.

For More Information

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