

Expand Your Wireless Coverage with MIMO!



PRODUCT DATA

High-speed, long-range, wireless networking for your notebook computer

MIMO smart antenna technology captures faint signals for extended range and reduced dead spots

Much faster than Wireless-G when connected to RangePlus or Wireless-N, but also works great with Wireless-G and -B devices

Advanced wireless security: Wi-Fi Protected Access™ (WPA2) with up to 256-bit encryption

RangePlus Wireless Notebook Adapter

Model: **WPC100**

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Features

- Much faster than Wireless-G, but can also connect to Wireless-N, -G and -B networks
- Complies with Wireless-B (802.11b) and Wireless-G (802.11g) standards
- Easy-to-use setup wizard
- Supports WEP (64- and 128-bit), WPA and WPA2 (Personal and Enterprise) encryption security
- Plug-and-Play operation provides easy setup
- Compatible with Microsoft Windows 2000 (SP4), XP (SP2 or later) and Vista

RangePlus Wireless Notebook Adapter

The RangePlus Wireless 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 RangePlus Wireless Notebook Adapter uses the very latest wireless networking technology to achieve extended range. 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. And with MIMO, 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 use RangePlus technology, 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 such as printers and network storage with other computers on the network, wherever you wander. At home, you can surf the web or use instant messaging to chat with friends while sitting out on the patio. You'll also be able to connect with any of the growing number of public hotspots springing up 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.

Get your notebook connected with fast throughput, reduced dead spots, and increased wireless range with the RangePlus Wireless Notebook Adapter from Linksys.

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RangePlus Wireless Notebook Adapter

Specifications

Model	WPC100
Standards	IEEE 802.11b, IEEE 802.11g
LEDs	Power, Link/Act
# of Antennas	2 Antennas
Connector type	CardBus
Modulations	802.11b: CCK, QPSK, BPSK 802.11g: OFDM 802.11n: BPSK, QPSK, 16-QAM, 64-QAM
RF Power (EIRP) in dBm	802.11b: 18dBm ~ 19 dBm, ± 1.5 dBm 802.11g: 15dBm ~ 17 dBm, ± 1.5 dBm 802.11n: 9dBm ~ 17 dBm, ± 1.5 dBm
Receive Sensitivity in dBm	802.11b: -88dBm ~ -84 dBm 802.11g: -88dBm ~ -66 dBm 802.11n: -85dBm ~ -60 dBm
Antenna Gain in dBi	2 dBi
Power Consumption	TX: 360mA ~ 410mA, at 3.3V RX: 340mA, at 3.3V
Security features	WEP, Wi-Fi Protected Access™ 2 (WPA2)
Security key bits	Up to 256-bit encryption

Environmental

Dimensions	4.88" x 0.35" x 2.13" (124 x 9 x 54 mm)
Weight	1.76 oz (50 g)
Power	3.3V
Certification	FCC, IC-03
Operating Temp.	32 to 131° F (0 to 55° C)
Storage Temp.	-4 to 176° F (-20 to 80° C)
Operating Humidity	10 to 85%, noncondensing
Storage Humidity	5 to 90%, noncondensing

Package Contents

- RangePlus Wireless Notebook Adapter
- Setup CD-ROM
- User Guide on CD-ROM
- Quick Installation Guide

Minimum Requirements

- 600 MHz or Faster PC
- 256 MB of RAM
- CD-ROM Drive
- Available CardBus Slot
- Windows 2000 with Service Pack 4, XP with Service Pack 2 or later, or Vista

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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