LINKSYS®
A Division of Cisco

Expand your wireless coverage with *MIMO!*

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

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

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

Wireless signals protected by wireless encryption, and your network protected from Internet attacks by a powerful SPI firewall

Range*Plus* Wireless Router

Model: **WRT100**

CISCO™

Range*Plus* Wireless Router

The Range*Plus* Wireless Router is really three devices in one box. First, there's the Wireless Access Point, which lets you connect to the network without wires. There's also a built-in 4-port full-duplex 10/100 Switch to connect your wired-Ethernet devices together. Finally, the Router function ties it all together and lets your whole network share a high-speed cable or DSL Internet connection.

The Access Point built into the Router uses smart antenna technology to achieve extended range. Unlike ordinary wireless networking technologies that are confused by signal reflections, the "Multiple In, Multiple Out" (MIMO) technology 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 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 are MIMO enabled, the router can increase the throughput even more by using twice as much radio band. But unlike other speed-enhanced technologies, the Range*Plus* Wireless Router can dynamically enable this double-speed mode for compatible devices, while still connecting to other wireless devices at their respective fastest speeds.

To help protect your data and privacy, the Router can encode all wireless transmissions with industrial-strength 256-bit encryption. It can serve as your network's DHCP Server, has a powerful SPI firewall to protect your PCs against intruders and most known Internet attacks, and supports VPN pass-through. Configuration is a snap with the web browser-based configuration utility.

With the Linksys Range*Plus* Wireless Router at the center of your home or office network, you can share a high-speed Internet connection, files, printers, and multi-player games, and run media-intensive applications at incredible speeds, without the hassle of stringing wires!

Features

- Complies with IEEE 802.11b and 802.11g standards
- Expanded wireless coverage with MIMO technology
- Unsurpassed wireless security with Wi-Fi Protected Access™ 2 (WPA2)
- Enhanced Internet security management functions including Internet access policies with time schedules
- All LAN ports support auto-crossover (MDI/MDI-X)—no need for crossover cables

Range*Plus* Wireless Router

Specifications

Model	WRT100
Standards	IEEE 802.11g, IEEE 802.11b, IEEE 802.3, IEEE 802.3u
Ports	Internet: One 10/100 RJ-45 Port Ethernet: Four 10/100 RJ-45 Ports One Power Port
Buttons	One Reset Button
LEDs	Power, Ethernet (1-4), Internet, Wireless, Security
Cabling Type	CAT 5e
# of Antennas	2
Detachable (Y/N)	No
RF Power (EIRP) in dBm	16.5 dBm
Antenna Gain in dBi	1.8 dBi
UPnP able/cert	Able
Security Features	Stateful Packet Inspection (SPI) Firewall, Internet Policy
Wireless Security	Wi-Fi Protected Access™ 2 (WPA2), WEP, Wireless MAC Filtering
Security Key Bits	128 Bits, 256 Bits

Environmental

Dimensions	5.83" x 1.42" x 6.69" (148 x 36 x 170 mm)
Weight	0.74 lb (334 g)
Power	12V, 1A
Certification	FCC, CE, ICES-003, Wi-Fi (802.11b/g), WPA2, WMM
Operating Temp.	32 to 104°F (0 to 40°C)
Storage Temp.	-4 to 140°F (-20 to 60°C)
Operating Humidity	10 to 85%, Noncondensing
Storage Humidity	5 to 90%, Noncondensing

Package Contents

- Range*Plus* Wireless Router
- Setup CD-ROM with Norton Internet Security
- User Guide on CD-ROM
- Network Cable
- Power Adapter

Minimum Requirements

- Internet Explorer 6.0 or Firefox 1.0 or Higher for Web-Based Configuration
- CD-ROM Drive
- Windows 2000, XP or Vista
- Network Adapter or Wireless Network Adapter

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.

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