

Cisco WRV200 Wireless-G VPN Router: RangeBooster Cisco Small Business Routers

Secure Wireless Network Access for Small Offices

Highlights

- IPsec and SSL VPN connectivity on a single device
- Built-in 4-port 10/100 Fast Ethernet switch
- Multiple SSIDs and VLANs provide separate secure networks
- Simple, browser-based configuration

Figure 1. Cisco WRV200 Wireless-G VPN Router: RangeBooster



Product Overview

Cisco® Small Business Solutions enable small companies to connect employees, customers, and suppliers - easily, reliably, and affordably. Drawing on a broad portfolio of Cisco products, local partners build and maintain individualized solutions that help small businesses around the world work better.

The Cisco WRV200 Wireless-G VPN Router (Figure 1) enables secure, reliable wireless network access for your small business. Its intuitive web-based interface allows you to easily set up its features. Simple Network Management Protocol (SNMP) gives you the ability to remotely manage and monitor the device.

Ten IP Security (IPsec) QuickVPN tunnels with a throughput of 30 Mbps give your mobile workers a secure and easy-to-use way to stay connected. As an essential element of your business, this product provides security functions for authentication, encryption, and firewall.

The VPN router gives your business multiple service set identifiers (SSIDs) and VLANs for traffic separation, and enhanced quality of service (QoS) features for improved voice and video quality. With support for wireless QoS (Wi-Fi Multimedia [WMM]) and wired QoS (port prioritization), consistent voice and video quality is maintained throughout your business.

The RangeBooster technology provides increased range and reliability, using multiple-input, multiple-output (MIMO). The RF output allows flexible control of the wireless access coverage.

Features

- 802.11g supports data rates up to 54 Mbps
- Dual fixed antennas with MIMO provide two to three times better coverage than standard 802.11g wireless devices
- Supports multiple SSID mapping to specific VLAN to create separate, secured networks
- 10 IPsec VPN tunnels with QuickVPN support

Specifications

Table 1 contains the specifications, minimum requirements, and package contents for the Cisco WRV200 Wireless-G VPN Router.

Table 1. Specifications for the Cisco WRV200 Wireless-G VPN Router: RangeBooster

Specifications	
Standards	IEEE 802.11g, IEEE 802.11b, IEEE 802.3, IEEE 802.3u, 802.1x (security authentication), 802.11i ready (security WPA2), 802.11e ready (wireless QoS)
Ports	Ethernet, Antenna, Power
Buttons	Reset
Cabling type	Unshielded twisted pair (UTP) Category 5
LEDs	Power, DMZ, Wireless, Internet, LAN 1-4
Operating system	Linux
Performance	
Network Address Translation (NAT) throughput	Wire speed: 100 Mb/s
IPsec throughput	30 Mb/s Triple Data Encryption Standard (3DES) throughput
Setup/Configuration	
Web user interface	Built-in web user interface for easy browser-based configuration (HTTP/HTTPS)
Management	
SNMP version	SNMP version 1, 2c
Event logging	Local, syslog, email
Web firmware upgrade	Firmware upgradable through web browser
Diagnostics	Flash, RAM, LAN, WLAN
Wireless	
Spec./modulation	Radio and modulation type: 802.11b/DSSS, 802.11g/OFDM
Data rates	Data rates supported: 802.11b: 1, 2, 5.5, 11 Mbps; 802.11g: 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps
Channels	Operating channels: 11 North America, 13 most of Europe (ETSI and Japan)
External antennas	2 (omnidirectional)
Antenna connector type	Fixed
Transmit power	Transmit power (adjustable) at normal temperature range: 802.11.g: typical -18 dBm, 802.11.b: typical -20 dBm

Adjustable power	Yes
Antenna gain	2 dBi
Receiver sensitivity	802.11.g: 54 Mbps at -69 dBm; 802.11.b: 11Mbps at - 86 dBm
Wireless QoS	WMM, 802.11e ready
Security	
Wired Equivalent Privacy (WEP)/WPA/WPA2	WEP 64 bit/128 bit, WPA Temporal Key Integrity Protocol (WPA-TKIP)/Advanced Encryption Standard (AES), WPA Pre-Shared Key (WPA2-PSK), WPA2-ENT
802.1X RADIUS authentication	802.1x: RADIUS (Message Digest Algorithm 5 [MD5], Secure Hash Algorithm 1 [SHA1], Transport Layer Security [TLS], Tunneled TLS [TTLS], Protected Extensible Authentication Protocol [PEAP]), dynamically varying encryption keys
Access control	Access control list (ACL) capability: MAC and IP-based
Firewall	Stateful packet inspection (SPI) firewall
DoS	DoS prevention
Network	
VLAN support	4 LAN ports and 4 SSIDs can be mapped to up to 5 VLANs
SSID broadcast	SSID broadcast enable/disable
Multiple SSID	Supports up to 4 SSIDs
Wireless VLAN map	Supports SSID to VLAN mapping with wireless client isolation
Wireless domain services (WDS)	Allow wireless signals to be repeated by a repeater
DMZ	Software configurable on any LAN port
VPN	10 IPsec tunnels, 3DES/AES encryption, MD5, SHA1 authentication, IPsec NAT transparency (NAT-T), QuickVPN support
Routing	Static and Routing Information Protocol (RIP) v1, v2
Environmental	
Device dimensions (W x H x D)	7.32 x 6.89 x 1.89 in. (170 x 42 x 193.5 mm)
Weight	12.52 oz (.355 kg)
Power	12V 1A DC input
Certifications	FCC, IC-03, CE
Operating temperature	32° to 104°F (0° to 40°C)
Storage temperature	-4° to 158°F (-20° to 70°C)
Operating humidity	10% to 85% noncondensing
Storage humidity	5% to 90% noncondensing
Minimum Requirements	
<ul style="list-style-type: none"> • 802.11b or 802.11g wireless adapter with TCP/IP installed per PC • Network adapter with Ethernet network cable and TCP/IP installed per PC • Web-based configuration: Java-enabled web browser (Internet Explorer or Mozilla Firefox) 	
Package Contents	
<ul style="list-style-type: none"> • Cisco WRV200 Wireless-G VPN Router with 2 fixed antennas • User guide and set-up wizard on CD-ROM • Network cable • Power adapter • Registration card • Quick install guide 	
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>.

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