

# Cisco RV130W Wireless-N Multifunction VPN Router

## High-Performance, Multifunction Connectivity

### Product Overview

The Cisco RV130W Wireless-N Multifunction VPN Router is an easy-to-use, flexible, high-performance device well suited for small businesses. It delivers highly secure, broadband, wired and wireless connectivity to small offices and remote employees. It can also be used either as a standalone wireless router, access point, bridge or repeater for flexible deployments, offering investment protection as your business needs evolve.

### Features and Benefits

- High-performance Gigabit Ethernet ports, enabling large file transfers and multiple users
- USB port for 3G/4G modem failover or alternative primary connectivity
- IP Security (IPsec) site-to-site VPN helps enables secure connectivity for remote employees and multiple offices
- Strong security: Proven stateful packet inspection (SPI) firewall and hardware encryption
- Easy to set up and use with wizard-based configuration

In a dynamic business environment, your network needs to be more powerful, flexible, and accessible than ever. Your employees need the ability to stay connected to the people and services they need - inside and outside the office. And your network needs the agility to meet constantly changing business needs.

The Cisco RV130W Multifunction VPN Router delivers highly secure broadband connectivity, high-speed wireless networking, and remote access for multiple offices and remote workers. Built for maximum flexibility, it delivers a comprehensive combination of business-class features and ease of use in a scalable solution that is priced for small businesses.

The Cisco RV130W features a built-in 4-port Gigabit Ethernet managed switch that lets you connect network devices and transfer files and data at high speed, providing the power and performance you need to keep multiple employees productive. Intelligent quality of service (QoS) features let you prioritize network traffic to keep critical network applications like voice and video running at their best.

To provide untethered connectivity to employees throughout the office, the Cisco RV130W also includes support for wireless-N technology. This multifunction device can serve either as a wireless router, wireless access point, wireless bridge, or repeater, providing investment protection and flexibility when business needs change. You can get started using the RV130W in the way that best meets your needs, then change modes, and repurpose the solution as your business and network grow, resulting in maximum return on your technology investment.

For employees who need to connect from home, on the road, or from remote offices, the Cisco RV130W features integrated enterprise-class encryption and authentication, including support for IPsec and Point-to-Point Tunneling Protocol (PPTP) VPN client connections and IPsec gateway-to-gateway VPN tunnels. Advanced virtual network support lets you set up wireless guest access hotspots to provide highly secure connectivity to clients and visitors.

Easy to set up and use right out of the box, both solutions feature simple wizard-based configuration to get you up and running in minutes.

Like the RV215W, the Cisco RV130W has a USB port to enable 3G and 4G WAN failover connectivity that is also perfect for remote regions or temporary connectivity. This multi-use router is a cost-effective way to provide business-class performance, security, and reliability your employees need today, with the flexibility to change as your business evolves.

## Product Specifications

Table 1 lists the product specifications for the Cisco RV130W.

**Table 1.** Product Specifications

Specifications	Description
<b>Standards</b>	IEEE 802.11n, 802.11g, 802.11b, 802.3, 802.3u, 802.1D, 802.1p, 802.1w (Rapid Spanning Tree) 802.1X (security authentication), 802.1Q (VLAN), 802.11i (Wi-Fi Protected Access [WPA2] security), 802.11e (wireless QoS), IPv4 (RFC 791), IPv6 (RFC 2460), Routing Information Protocol (RIP) v1 (RFC 1058), RIP v2 (RFC 1723)
<b>Ports</b>	LAN, WAN, USB
<b>Switch</b>	Power button (on/off)
<b>Buttons</b>	Reset
<b>Cabling Type</b>	Category 5e or better
<b>LEDs</b>	Power, VPN, USB, WAN, Wireless, LAN (ports 1-4)
<b>Operating System</b>	Linux
<b>Network</b>	
<b>Network Protocols</b>	<ul style="list-style-type: none"> <li>• Dynamic Host Configuration Protocol (DHCP) server</li> <li>• Point-to-Point Protocol over Ethernet (PPPoE)</li> <li>• Point-to-Point Tunneling Protocol (PPTP)</li> <li>• Layer 2 Tunneling Protocol (L2TP)</li> <li>• DNS proxy</li> <li>• DHCP relay agent</li> <li>• IGMP proxy and multicast forwarding</li> <li>• Rapid Spanning Tree Protocol (RSTP)</li> <li>• Dynamic Domain Name System (TZO, DynDNS, 3322.org, NOIP)</li> <li>• Network Address Translation (NAT), Port Address Translation (PAT)</li> <li>• One-to-One NAT</li> <li>• Port management</li> <li>• Port mirroring</li> <li>• Software configurable DMZ to any LAN IP address</li> <li>• Session Initiation Protocol (SIP) Application Layer Gateways (ALG)</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>• Four (4) 10/100/1000 Mbps Gigabit LAN ports with managed switch</li> </ul>
<b>WAN</b>	<ul style="list-style-type: none"> <li>• Single (1) 10/100/1000 Mbps Gigabit WAN port</li> </ul>
<b>WLAN</b>	<ul style="list-style-type: none"> <li>• Built-in high-speed 802.11n wireless access point</li> </ul>
<b>Routing Protocols</b>	<ul style="list-style-type: none"> <li>• Static routing</li> <li>• Dynamic routing</li> <li>• RIP v1 and v2</li> <li>• Inter-VLAN routing</li> </ul>
<b>Network Address Translation (NAT)</b>	Port Address Translation (PAT), Network Address Port Translation (NAPT) protocol
<b>VLAN Support</b>	Port-based and 802.1Q tag-based VLANs
<b>Number of VLANs</b>	5 active VLANs (3-4096 range)

Specifications	Description
<b>IPv6</b>	<ul style="list-style-type: none"> <li>• Dual-stack IPv4 and IPv6</li> <li>• 6to4 tunneling</li> <li>• Stateless address auto-configuration</li> <li>• DHCPv6 Server for IPv6 Clients on LAN</li> <li>• DHCP v6 client for WAN connectivity</li> <li>• Internet Control Message Protocol (ICMP) v6</li> <li>• Static IPv6 Routing</li> <li>• Dynamic IPv6 Routing with RIPng</li> </ul>
<b>Network Edge (DMZ)</b>	Software configurable to any LAN IP address
<b>Layer 2</b>	802.1Q-based VLANs, 5 active VLANs
<b>Security</b>	
<b>Firewall</b>	Stateful packet inspection (SPI) firewall, port forwarding and triggering, denial-of-service (DoS) prevention, software-based DMZ DoS Attacks Prevented: <ul style="list-style-type: none"> <li>• SYN Flood Detect Rate</li> <li>• Echo Storm</li> <li>• ICMP Flood</li> <li>• UDP Flood</li> <li>• TCP Flood</li> </ul> Block Java, Cookies, Active-X, HTTP Proxy
<b>Access Control</b>	IP access control lists; MAC-based wireless access control
<b>Content Filtering</b>	Static URL blocking or keyword blocking
<b>Secure Management</b>	HTTPS, username/password complexity
<b>WPS</b>	Wi-Fi Protected Setup
<b>User Privileges</b>	2 levels of access: admin and guest
<b>VPN</b>	
<b>Gateway-to-gateway IPsec VPN</b>	10 gateway-to-gateway IPsec tunnels
<b>Client-to-gateway IPsec VPN</b>	10 client-to-gateway IPsec tunnels using TheGreenBow and ShrewSoft VPN client
<b>PPTP VPN</b>	10 PPTP tunnels for remote client access
<b>Encryption</b>	Triple Data Encryption Standard (3DES)
<b>Authentication</b>	MD5/SHA1
<b>VPN Pass-through</b>	IPsec/PPTP/Layer 2 Tunneling Protocol (L2TP) pass-through
<b>Quality of Service</b>	
<b>QoS</b>	<ul style="list-style-type: none"> <li>• 802.1p port-based priority on LAN port, application-based priority on WAN port</li> <li>• 3 queues</li> <li>• Differentiated Services Code Point support (DSCP)</li> <li>• Class of Service (CoS)</li> <li>• Bandwidth Management for service prioritization</li> </ul>
<b>Jumbo Frame</b>	Supports Jumbo Frame on Gigabit ports - at least 1536B
<b>Performance</b>	
<b>NAT Throughput</b>	800 Mbps
<b>Concurrent Sessions</b>	12,000
<b>IPsec VPN Throughput (3DES/AES)</b>	50 Mbps
<b>Configuration</b>	
<b>Web User Interface</b>	Simple, browser-based configuration (HTTP/HTTPS)

Specifications	Description
<b>Management</b>	
<b>Management Protocols</b>	Web browser, Simple Network Management Protocol (SNMP) v3, Bonjour, Universal Plug and Play (UPnP)
<b>Event Logging</b>	Local, syslog, email alerts
<b>Network Diagnostics</b>	Ping, Traceroute, and DNS Lookup
<b>Upgradability</b>	Firmware upgradable through web browser, imported/exported configuration file
<b>System Time</b>	Supports NTP, Day Light Savings, Manual entry
<b>Languages</b>	GUI supports English, French, Italian, German, and Spanish
<b>Wireless</b>	
<b>Radio and modulation type</b>	802.11b: direct sequence spread spectrum (DSSS), 802.11g: orthogonal frequency division multiplexing (OFDM), 802.11n: OFDM
<b>WLAN</b>	2.4GHz IEEE 802.11n standard-based access point with 802.11b/g compatibility
<b>Operating channels</b>	11 North America, 13 most of Europe, auto channels selection
<b>Wireless isolation</b>	Wireless isolation between clients
<b>External antennas</b>	2 fixed antennas
<b>Antenna gain in dBi</b>	2 dBi
<b>Transmit power</b>	802.11b: 16.5 dBm +/- 1.5 dBm; 802.11g: 15 dBm +/- 1.5 dBm; 802.11n: 12.5 dBm +/- 1.5 dBm
<b>Receiver sensitivity</b>	-87 dBm at 11 Mbps, -71 dBm at 54 Mbps, -68 dBm at mcs15, HT20, -66 dBm at mcs15, HT40
<b>Radio Frequency</b>	Single-band, works on 2.4GHz
<b>Wireless Domain Service (WDS)</b>	Allows wireless signals to be repeated by up to 4 compatible devices
<b>Operating Modes</b>	Multifunction device-wireless router, access point mode with WDS, Point-to-Point Bridge mode with WDS, Point-Multi Point Bridge mode with WDS, Repeater mode with WDS
<b>Active WLAN clients</b>	Support up to 64 concurrent clients in wireless router mode and wireless Access Point mode
<b>Multiple SSIDs</b>	Supports multiple Service Set Identifiers (SSIDs), up to 4 separate virtual networks
<b>Wireless VLAN map</b>	Supports SSID to VLAN mapping with wireless client isolation
<b>WLAN security</b>	Wired Equivalent Privacy (WEP), WPA, WPA2-PSK, WPA2-ENT, 802.11i
<b>Wi-Fi Multimedia (WMM)</b>	WMM, WMM power save (WMM-PS)
<b>Environmental</b>	
<b>Power</b>	12V 2A
<b>Certifications</b>	FCC class B, CE, IC, Wi-Fi
<b>Operating temperature</b>	0° to 40°C (32° to 104°F)
<b>Storage temperature</b>	-20° to 70°C (-4° to 158°F)
<b>Operating humidity</b>	10 to 85 percent noncondensing
<b>Storage humidity</b>	

## Warranty Information

This Cisco Small Business product comes with a limited lifetime hardware warranty. Product warranty terms and other information applicable to Cisco products are available at <http://www.cisco.com/go/warranty>.

## Cisco Small Business Support Service

The Small Business Support Service is a device-level service agreement that expands and enhances the technical support exclusively for Cisco Small Business Products. Buying the service extends phone support to three years; adds next-business-day, advance product replacement; and expands Cisco phone support from eight hours, five days a week to 24-hours, seven days a week.

## Ordering Information

To place an order, visit the [Cisco Ordering Home Page](#).

**Table 2.** Ordering Information

Part Number	Product Name	Countries
RV130W-A-K9-NA	Cisco RV130W Multifunction VPN Router	Unites States, Canada, Brazil, Mexico
RV130W-E-K9-G5		EU, Russia, India, Korea, Hong Kong, Indonesia, Malaysia, Philippines, Singapore, Thailand, Vietnam
RV130W-A-K9-AR		Argentina
RV130W-E-K9-CN		China
RV130W-A-K9-AU		Australia, New Zealand

## For More Information

To download software, visit the [Cisco Software Center](#).

For more information on the RV130W Multifunction Wireless-N VPN Router, visit <http://www.cisco.com/go/rv130W>.

For more information on Cisco Small Business products and solutions, visit: <http://www.cisco.com/smallbusiness>.

For Cisco Small Business Support Service features and more information, visit: <http://www.cisco.com/go/sbs>.



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