

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
Standards	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)
Ports	LAN, WAN, USB
Switch	Power button (on/off)
Buttons	Reset
Cabling Type	Category 5e or better
LEDs	Power, VPN, USB, WAN, Wireless, LAN (ports 1-4)
Operating System	Linux
Network	
Network Protocols	• Dynamic Host Configuration Protocol (DHCP) server • Point-to-Point Protocol over Ethernet (PPPoE) • Point-to-Point Tunneling Protocol (PPTP) • Layer 2 Tunneling Protocol (L2TP) • DNS proxy • DHCP relay agent • IGMP proxy and multicast forwarding • Rapid Spanning Tree Protocol (RSTP) • Dynamic Domain Name System (TZO, DynDNS, 3322.org, NOIP) • Network Address Translation (NAT), Port Address Translation (PAT) • One-to-One NAT

Specifications	Description
	• Port management • Port mirroring • Software configurable DMZ to any LAN IP address • Session Initiation Protocol (SIP) Application Layer Gateways (ALG)
LAN	• Four (4) 10/100/1000 Mbps Gigabit LAN ports with managed switch
WAN	• Single (1) 10/100/1000 Mbps Gigabit WAN port
WLAN	• Built-in high-speed 802.11n wireless access point
Routing Protocols	• Static routing • Dynamic routing • RIP v1 and v2 • Inter-VLAN routing
Network Address Translation (NAT)	Port Address Translation (PAT), Network Address Port Translation (NAPT) protocol
VLAN Support	Port-based and 802.1Q tag-based VLANs
Number of VLANs	5 active VLANs (3-4096 range)
IPv6	• Dual-stack IPv4 and IPv6 • 6to4 tunneling • Stateless address auto-configuration • DHCPv6 Server for IPv6 Clients on LAN • DHCP v6 client for WAN connectivity • Internet Control Message Protocol (ICMP) v6 • Static IPv6 Routing • Dynamic IPv6 Routing with RIPng
Network Edge (DMZ)	Software configurable to any LAN IP address
Layer 2	802.1Q-based VLANs, 5 active VLANs
Security	
Firewall	Stateful packet inspection (SPI) firewall, port forwarding and triggering, denial-of-service (DoS) prevention, software-based DMZ DoS Attacks Prevented: • SYN Flood Detect Rate • Echo Storm • ICMP Flood • UDP Flood • TCP Flood Block Java, Cookies, Active-X, HTTP Proxy
Access Control	IP access control lists; MAC-based wireless access control
Content Filtering	Static URL blocking or keyword blocking
Secure Management	HTTPS, username/password complexity
WPS	Wi-Fi Protected Setup
User Privileges	2 levels of access: admin and guest
VPN	
Gateway-to-gateway IPsec VPN	10 gateway-to-gateway IPsec tunnels
Client-to-gateway IPsec VPN	10 client-to-gateway IPsec tunnels using TheGreenBow and ShrewSoft VPN client
PPTP VPN	10 PPTP tunnels for remote client access
Encryption	Triple Data Encryption Standard (3DES)
Authentication	MD5/SHA1
VPN Pass-through	IPsec/PPTP/Layer 2 Tunneling Protocol (L2TP) pass-through

Specifications	Description
Quality of Service	
QoS	• 802.1p port-based priority on LAN port, application-based priority on WAN port • 3 queues • Differentiated Services Code Point support (DSCP) • Class of Service (CoS) • Bandwidth Management for service prioritization
Jumbo Frame	Supports Jumbo Frame on Gigabit ports - at least 1536B
Performance	
NAT Throughput	800 Mbps
Concurrent Sessions	12,000
IPsec VPN Throughput (3DES/AES)	50 Mbps
Configuration	
Web User Interface	Simple, browser-based configuration (HTTP/HTTPS)
Management	
Management Protocols	Web browser, Simple Network Management Protocol (SNMP) v3, Bonjour, Universal Plug and Play (UPnP)
Event Logging	Local, syslog, email alerts
Network Diagnostics	Ping, Traceroute, and DNS Lookup
Upgradability	Firmware upgradable through web browser, imported/exported configuration file
System Time	Supports NTP, Day Light Savings, Manual entry
Languages	GUI supports English, French, Italian, German, and Spanish
Wireless	
Radio and modulation type	802.11b: direct sequence spread spectrum (DSSS), 802.11g: orthogonal frequency division multiplexing (OFDM), 802.11n: OFDM
WLAN	2.4GHz IEEE 802.11n standard-based access point with 802.11b/g compatibility
Operating channels	11 North America, 13 most of Europe, auto channels selection
Wireless isolation	Wireless isolation between clients
External antennas	2 fixed antennas
Antenna gain in dBi	2 dBi
Transmit power	802.11b: 16.5 dBm +/- 1.5 dBm; 802.11g: 15 dBm +/- 1.5 dBm; 802.11n: 12.5 dBm +/- 1.5 dBm
Receiver sensitivity	-87 dBm at 11 Mbps, -71 dBm at 54 Mbps, -68 dBm at mcs15, HT20, -66 dBm at mcs15, HT40
Radio Frequency	Single-band, works on 2.4GHz
Wireless Domain Service (WDS)	Allows wireless signals to be repeated by up to 4 compatible devices
Operating Modes	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
Active WLAN clients	Support up to 64 concurrent clients in wireless router mode and wireless Access Point mode
Multiple SSIDs	Supports multiple Service Set Identifiers (SSIDs), up to 4 separate virtual networks
Wireless VLAN map	Supports SSID to VLAN mapping with wireless client isolation
WLAN security	Wired Equivalent Privacy (WEP), WPA, WPA2-PSK, WPA2-ENT, 802.11i
Wi-Fi Multimedia (WMM)	WMM, WMM power save (WMM-PS)

Specifications	Description
Environmental	
Power	12V 2A
Certifications	FCC class B, CE, IC, Wi-Fi
Operating temperature	0° to 40°C (32° to 104°F)
Storage temperature	-20° to 70°C (-4° to 158°F)
Operating humidity	10 to 85 percent noncondensing
Storage humidity	

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

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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>.

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