

For  
Small  
Business



## Cisco RV120W Wireless-N VPN Firewall

### Take Basic Connectivity to a New Level

The Cisco® RV120W Wireless-N VPN Firewall combines highly secure connectivity – to the Internet as well as from other locations and remote workers – with a high-speed, 802.11n wireless access point, a 4-port switch, an intuitive, browser-based device manager, and support for the Cisco FindIT Network Discovery Utility, all at a very affordable price. Its combination of high performance, business-class features and top-quality user experience takes basic connectivity to a new level (Figure 1).

**Figure 1.** Cisco RV120W Wireless-N VPN Firewall



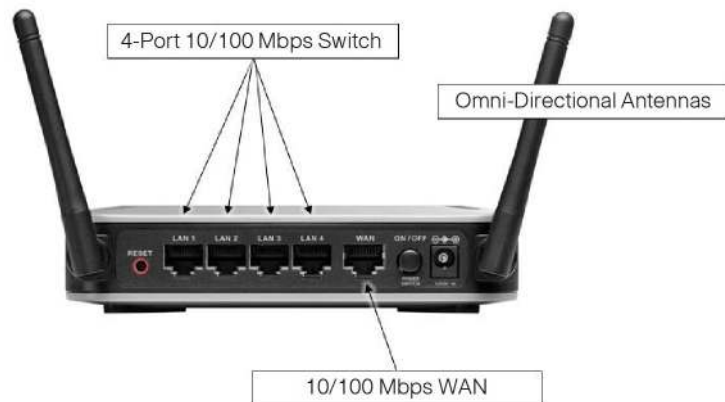
### Product Overview

The Cisco RV120W Wireless-N VPN Firewall features:

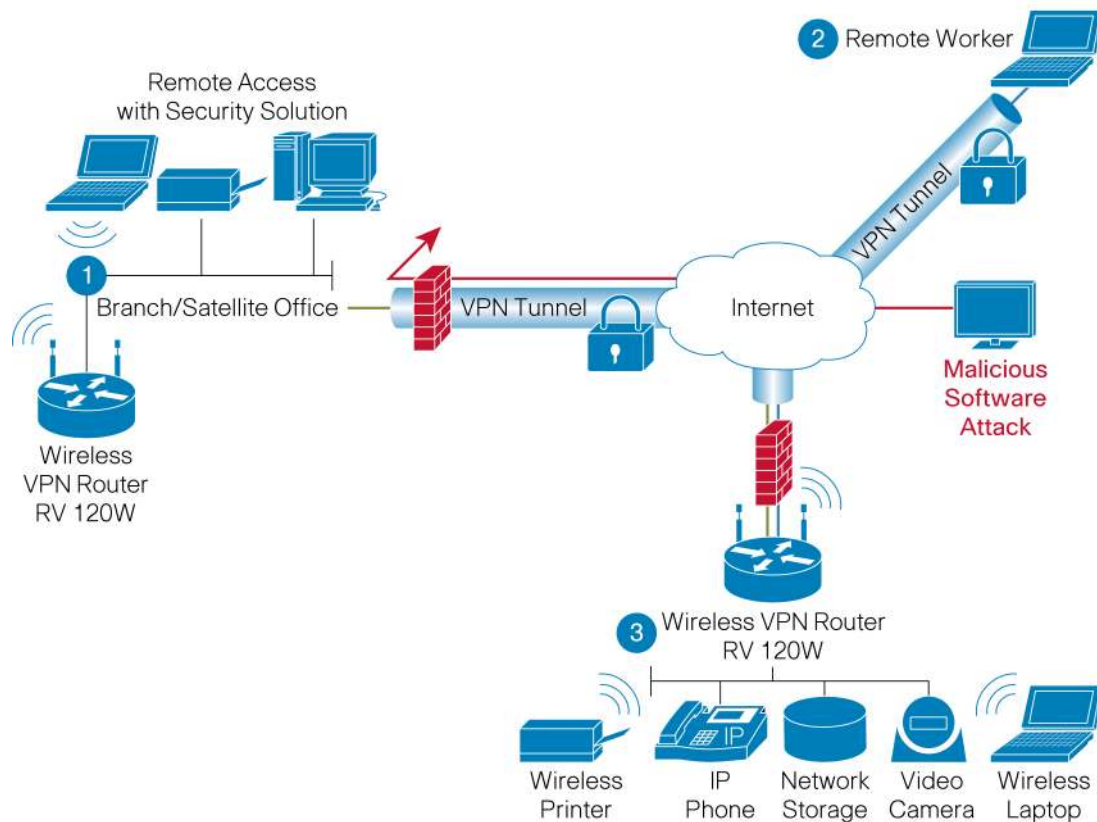
- High-speed, standards-based 802.11n wireless connectivity to help employees stay productive while away from their desks
- Integrated 4-port 10/100 switch with quality of service (QoS) support for enhanced voice, video and data traffic
- Support for separate “virtual” networks enables you to control access to sensitive information and to set up highly secure wireless guest access
- IP Security (IPsec) VPN support with hardware acceleration to deliver highly secure, high-performance connections to multiple locations and traveling employees
- Support for static routing, Routing Information Protocol (RIP) versions 1 and 2, and inter-VLAN routing to enable flexible connection sharing
- Proven stateful packet inspection (SPI) firewall, plus advanced wireless security to help keep business assets safe
- Simplified configuration through an intuitive, browser-based device manager
- Support for the Cisco FindIT Network Discovery Utility

Figure 2 shows back panel of the Cisco RV120W. Figure 3 shows a typical configuration using the firewall.

**Figure 2.** Back Panel of the Cisco RV120W



**Figure 3.** Typical Configuration



## Product Specifications

Table 1 gives the product specifications for the Cisco RV120W.

**Table 1.** Product Specifications

Feature	Description
Routing	<ul style="list-style-type: none"> <li>• Static routing</li> <li>• RIP v1 and v2</li> <li>• Inter-VLAN routing</li> </ul>
Layer 2	<ul style="list-style-type: none"> <li>• 802.1q -based VLANs</li> <li>• 4 active VLANs (1 to 4094 range)</li> </ul>
Network	<ul style="list-style-type: none"> <li>• Dynamic Host Configuration Protocol (DHCP) server, DHCP relay agent</li> <li>• Point-to-Point Protocol over Ethernet (PPPoE), Point-to-Point Tunneling Protocol (PPTP), Layer 2 Tunneling Protocol (L2TP)</li> <li>• DNS Proxy</li> <li>• IGMP Proxy and multicast forwarding</li> <li>• Dynamic Domain Name System (DynDNS, TZO)</li> <li>• Network Address Translation (NAT), Port Address Translation (PAT), Network Address Port Translation (NAPT), Session Initiation Protocol Application Layer Gateway (SIP ALG), NAT traversal, one-to-one NAT</li> <li>• Multiple DHCP pools</li> <li>• Port Management</li> </ul>
IPv6	<ul style="list-style-type: none"> <li>• Dual-stack IPv4 and IPv6</li> <li>• Multicast Listener Discovery (MLD) for IPv6 (RFC2710)</li> <li>• Stateless address auto-configuration</li> <li>• DHCP v6</li> <li>• Internet Control Message Protocol (ICMP) v6</li> </ul>
Security	<p>Access control:</p> <ul style="list-style-type: none"> <li>• IP access control lists (ACLs)</li> <li>• MAC-based wireless access control</li> </ul> <p>Firewall:</p> <ul style="list-style-type: none"> <li>• SPI firewall</li> <li>• Port forwarding and triggering</li> <li>• DoS prevention</li> <li>• Software based DMZ</li> </ul> <p>Content filtering:</p> <ul style="list-style-type: none"> <li>• Static URL blocking or keyword blocking</li> </ul> <p>Secure management:</p> <ul style="list-style-type: none"> <li>• HTTPS</li> <li>• Username/password</li> </ul> <p>802.1X</p> <ul style="list-style-type: none"> <li>• Port-based RADIUS authentication (Extensible Authentication Protocol [EAP], Protected EAP [PEAP])</li> </ul> <p>Certificate management</p> <ul style="list-style-type: none"> <li>• X.509 v3 certificates</li> <li>• Certificate upload using PEM format</li> </ul>
VPN	<ul style="list-style-type: none"> <li>• 10 QuickVPN tunnels for remote client access</li> <li>• 10 IPsec site-to-site tunnels for branch office connectivity</li> <li>• Triple Data Encryption Standard (3DES), Advanced Encryption Standard (AES) encryption</li> <li>• Message Digest Algorithm 5 (MD5)/Secure Hash Algorithm (SHA1) authentication</li> <li>• Dead Peer Detection (DPD)</li> <li>• IPsec NAT traversal</li> <li>• VPN pass-through of PPTP, L2TP, IPsec</li> </ul>
Quality of Service	<ul style="list-style-type: none"> <li>• 802.1p port-based priority on LAN port, application-based priority on WAN port</li> <li>• 4 queues</li> <li>• DiffServ support</li> <li>• Traffic Metering</li> </ul>

Feature	Description
Management	<ul style="list-style-type: none"> <li>• Simple Network Management Protocol (SNMP) versions 1, 2c and v3</li> <li>• Event logging: local, syslog, email alerts</li> <li>• Firmware upgradable through web browser; imported/exported configuration in text format</li> <li>• Simple browser-based configuration (HTTP/HTTPS)</li> <li>• UPnP, Bonjour</li> <li>• Network diagnostics with packet captures</li> </ul>
Performance	<ul style="list-style-type: none"> <li>• NAT throughput: 95 Mbps</li> <li>• 1000 concurrent sessions</li> <li>• VPN throughput: 25 Mbps</li> </ul>

## Wireless LAN Specifications

Table 2 gives the wireless specifications for the Cisco RV120W.

**Table 2.** Wireless LAN Specifications

Feature	Description
WLAN hardware	<p>IEEE 802.11n standard-based access point with 802.11b/g compatibility</p> <p>Radio and modulation type:</p> <ul style="list-style-type: none"> <li>• 802.11b: direct sequence spread spectrum (DSSS)</li> <li>• 802.11g/n: orthogonal frequency division multiplexing (OFDM)</li> <li>• 2 omnidirectional 1.8 dBi gain external antennas</li> </ul> <p>Operating channels:</p> <ul style="list-style-type: none"> <li>• 11 in North America</li> <li>• 13 in most of Europe</li> <li>• Automatic channel selection</li> </ul> <p>Transmit power:</p> <ul style="list-style-type: none"> <li>• 802.11b: 17 dBm +/- 1.5 dBm</li> <li>• 802.11g: 15 dBm +/-1.5 dBm</li> <li>• 802.11n: 12.5 dBm +/- 1.5 dBm</li> </ul> <p>Receiver sensitivity:</p> <ul style="list-style-type: none"> <li>• 802.11b: 11 Mbps @ -90 dBm</li> <li>• 802.11g: 54 Mbps @ -74 dBm</li> <li>• 802.11n: 270 Mbps @ -71 dBm</li> </ul> <p>Wireless Domain Services (WDS):</p> <ul style="list-style-type: none"> <li>• Allows wireless signals to be repeated by up to 2 compatible receivers</li> </ul> <p>Wi-Fi Multimedia (WMM):</p> <ul style="list-style-type: none"> <li>• WMM with QoS (802.11e)</li> <li>• WMM Power Save (WMM-PS)</li> </ul>
Service Set Identifiers (SSIDs)	<ul style="list-style-type: none"> <li>• Up to 4 separate virtual networks</li> </ul>
Wireless VLAN	<ul style="list-style-type: none"> <li>• Support for SSID to VLAN mapping with wireless client isolation</li> </ul>
WLAN security	<ul style="list-style-type: none"> <li>• Wi-Fi Protected Access (WPA2, 802.11i)</li> </ul>

## System Specifications

Table 3 gives the system specifications for the Cisco RV120W.

**Table 3.** System Specifications

Feature	Description
WAN	10/100 Mbps Fast Ethernet WAN port
LAN	4-port 10/100 Mbps switch with support for VLAN and QoS
WLAN	Built-in high-speed 802.11n wireless access point
Physical dimensions and weight	<ul style="list-style-type: none"> <li>W x D x H = 5.91 in. x 5.91 in. x 1.34 in. (150 mm x 150 mm x 34 mm)</li> <li>Weight: 1.10 lb (0.5 kg)</li> </ul>
Power	12V 1A
Certification	<ul style="list-style-type: none"> <li>FCC Class B</li> <li>CE</li> <li>IC</li> <li>Wi-Fi</li> </ul>
Environmental operating range	<ul style="list-style-type: none"> <li>Operating temperature: 0° to 40°C (32° to 104°F)</li> <li>Storage temperature: -20° to 70°C (-4° to 158°F)</li> <li>Operating humidity: 10% to 85% noncondensing</li> <li>Storage humidity: 5% to 90% noncondensing</li> </ul>

## Configuration Requirements

Table 4 lists the configuration requirements for the Cisco RV120W.

**Table 4.** Configuration Requirements

Feature	Description
Network adapter	PC with network adapter and Ethernet cable
Web-based configuration	Web browser

## Ordering Information

Table 5 gives ordering information for the Cisco RV120W.

**Table 5.** Ordering Information

Part Number	Product Name
RV120W-A-NA	Cisco RV120W Wireless-N VPN Firewall (USA)
RV120W-E-G5	Cisco RV120W Wireless-N VPN Firewall (Europe)
RV120W-N-AU	Cisco RV120W Wireless-N VPN Firewall (Australia)
RV120W-A-CN	Cisco RV120W Wireless-N VPN Firewall (China)
RV120W-A-CA	Cisco RV120W Wireless-N VPN Firewall (Canadian French)
RV120W-A-AR	Cisco RV120W Wireless-N VPN Firewall (Argentina)

## Warranty Information

Find warranty information on Cisco.com at the [Product Warranties](#) page.

## For More Information

For more information, visit [www.cisco.com/cisco/web/solutions/small\\_business/products/routers\\_switches/small\\_business\\_routers/index.html](http://www.cisco.com/cisco/web/solutions/small_business/products/routers_switches/small_business_routers/index.html).



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