

# Cisco RV110W Wireless-N VPN Firewall

## Simple, Secure Connectivity for the Small Office/Home Office

**Figure 1.** Cisco RV110W Wireless-N VPN Firewall



The Cisco® RV110W Wireless-N VPN Firewall provides simple, affordable, highly secure, business-class connectivity to the Internet for small offices/home offices and remote workers.

The Cisco RV110W combines wired and wireless connectivity for small offices and remote workers with a high-speed, 802.11n wireless access point; a 4-port 10/100 Mbps Fast Ethernet 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 business-class features, support for virtual networks to enable highly secure guest access, simple installation, and top-quality user experience takes basic connectivity for small businesses with five or fewer employees to a new level.

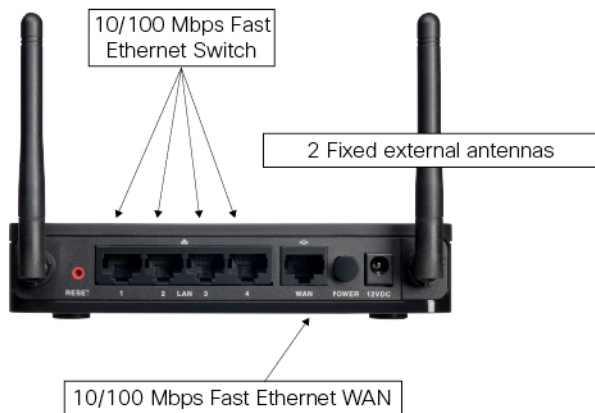
### Product Overview

The Cisco RV110W Wireless-N VPN Firewall features:

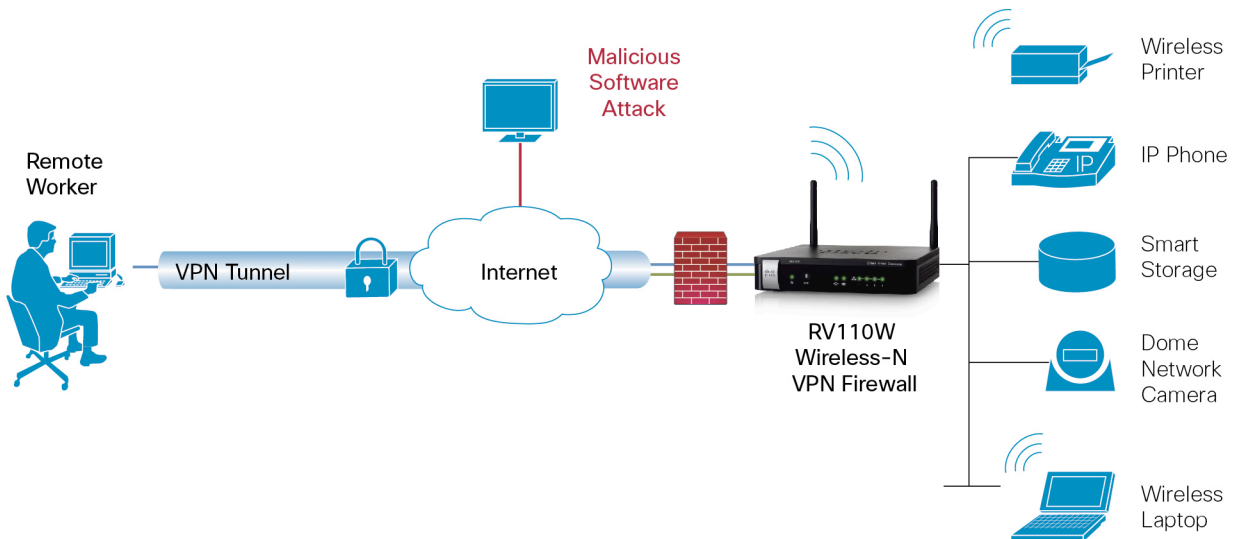
- High-speed, standards-based 802.11n wireless connectivity improves throughput and coverage, allowing employees to stay productive while away from their desks
- Integrated 4-port 10/100 switch, enabling you to connect to computers, printers, IP phones, cameras, and other devices
- Proven firewall with access rules support and advanced wireless security helps keep business assets safe
- Quality of service (QoS) support for enhanced voice, video, and data traffic
- Support for separate “virtual” networks, enabling you to control access to sensitive information and to set up highly secure wireless guest access
- IP Security (IPsec) and Point-to-Point Tunneling Protocol (PPTP) VPN support, providing highly secure remote access connectivity for Windows and Mac OS computers

- Support for IPv6, the latest Internet Protocol technology, to help your network accommodate new technologies
- Simplified configuration through an intuitive, browser-based device manager
- Support for the Cisco FindIT Network Discovery Utility

**Figure 2.** Back Panel of the Cisco RV110W Wireless-N VPN Firewall



**Figure 3.** Typical Configuration for Cisco RV110W Wireless-N VPN Firewall



## Product Specifications

Table 1 gives the product specifications for the Cisco RV110W.

**Table 1.** Product Specifications

Feature	Description
<b>Routing</b>	<ul style="list-style-type: none"> <li>• Static routing</li> <li>• Dynamic routingRouting Information Protocol (RIP) v1 and v2</li> <li>• Inter-VLAN routing</li> </ul>
<b>Layer 2</b>	<ul style="list-style-type: none"> <li>• 802.1Q -based VLANs</li> <li>• 4 active VLANs (3 to 4094 range)</li> </ul>
<b>Network</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>• Internet Group Management Protocol (IGMP) proxy and multicast forwarding</li> <li>• Rapid Spanning Tree Protocol (RSTP)</li> <li>• Dynamic DNS (DDNS), TZO.com, DynDNS.com, 3322.org</li> <li>• Network Address Translation (NAT), Port Address Translation (PAT)</li> <li>• Port management</li> <li>• Port Mirroring</li> <li>• Software-configurable network edge (DMZ) to any LAN IP address</li> </ul>
<b>IPv6</b>	<ul style="list-style-type: none"> <li>• Dual-stack IPv4 and IPv6</li> <li>• 6to4 tunneling</li> <li>• Multicast Listener Discovery (MLD) for IPv6 (RFC 2710)</li> <li>• Stateless address auto-configuration</li> <li>• DHCP v6 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>Security</b>	<ul style="list-style-type: none"> <li>• Stateful packet inspection (SPI) firewall</li> <li>• Port forwarding and triggering</li> <li>• Firewall Access Control Lists and Content Filtering</li> <li>• Denial-of-service (DoS) prevention</li> <li>• MAC-based wireless access control</li> <li>• Static URL blocking or keyword blocking</li> <li>• Schedule-based Internet access policy</li> <li>• HTTPS web access to the device manager</li> <li>• username/password complexity enforcement</li> <li>• Self-signed SSL certificate</li> <li>• Import and export certificate using Privacy-Enhanced Mail (PEM) format</li> </ul>
<b>VPN</b>	<ul style="list-style-type: none"> <li>• 5 IPsec tunnels using Cisco QuickVPN client</li> <li>• 5 PPTP tunnels for remote client access</li> <li>• Triple Data Encryption Standard (3DES) VPN pass-through of PPTP, L2TP, and IPsec</li> </ul>
<b>Quality of service (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>• 4 queues</li> <li>• Differentiated Services Code Pointsupport (DSCP)</li> <li>• Class of Service (CoS)</li> <li>• Bandwidth Management for service prioritization</li> </ul>

Feature	Description
<b>Management</b>	<ul style="list-style-type: none"> <li>• Simple Network Management Protocol (SNMP) v3</li> <li>• Event logging: local, syslog, email alerts</li> <li>• Firmware upgradable through web browser</li> <li>• Imported/exported configuration in text format</li> <li>• Simple browser-based configuration (HTTP/HTTPS)</li> <li>• Bonjour and Universal Plug and Play (UPnP)</li> <li>• Network diagnostics: Ping, Traceroute, and DNS Lookup</li> </ul>
<b>Performance</b>	<ul style="list-style-type: none"> <li>• NAT throughput: 90 Mbps</li> <li>• 5000 concurrent sessions</li> <li>• VPN throughput: 5Mbps</li> </ul>

## Wireless LAN Specifications

Table 2 gives the wireless specifications for the Cisco RV110W.

**Table 2.** Wireless LAN Specifications

Features	Description
<b>WLAN hardware</b>	<ul style="list-style-type: none"> <li>• IEEE 802.11n standard-based access point with 802.11b/g compatibility</li> <li>• Radio and modulation type: <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> </ul> </li> <li>• 2 omnidirectional 1.8 dBi gain fixed external antennas</li> <li>• Operating channels: <ul style="list-style-type: none"> <li>• 11 in North America</li> <li>• 13 in most of Europe</li> </ul> </li> <li>• Automatic channel selection</li> <li>• Transmit power: <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> </li> <li>• Receiver sensitivity: <ul style="list-style-type: none"> <li>• -87 dBm at 11 Mbps</li> <li>• -71 dBm at 54 Mbps</li> <li>• -68 dBm at mcs15, HT20 / -66dBm at mcs15, HT40</li> </ul> </li> </ul>
<b>Wireless Domain Services (WDS)</b>	<ul style="list-style-type: none"> <li>• Allows wireless signals to be repeated by up to 3 compatible devices</li> </ul>
<b>Wi-Fi Multimedia (WMM)</b>	<ul style="list-style-type: none"> <li>• WMM with QoS (802.11e), WMM power save (WMM-PS)</li> </ul>
<b>Active WLAN clients</b>	<ul style="list-style-type: none"> <li>• Up to 32 clients</li> </ul>
<b>Service Set Identifiers (SSIDs)</b>	<ul style="list-style-type: none"> <li>• Up to 4 separate wireless networks</li> </ul>
<b>Wireless isolation</b>	<ul style="list-style-type: none"> <li>• Wireless isolation between clients</li> </ul>
<b>WLAN security</b>	<ul style="list-style-type: none"> <li>• Wireless isolation between clients</li> <li>• WPS (Wi-Fi Protected Setup), Wired Equivalent Privacy (WEP), Wi-Fi Protected Access (WPA) personal and enterprise, WPA2 personal and enterprise</li> </ul>

## System Specifications

Table 3 gives the system specifications for the Cisco RV110W.

**Table 3.** System Specifications

Features	Description
<b>WAN</b>	One 10/100 Mbps Fast Ethernet WAN port
<b>LAN</b>	Four 10/100 Mbps Fast Ethernet LAN ports
<b>WLAN</b>	Built-in 802.11n wireless access point
<b>LEDs</b>	Power, WPS, WAN, Wireless, LAN (ports 1-4)
<b>Switch</b>	Power button (on/off)
<b>Physical dimensions and weight</b>	<ul style="list-style-type: none"><li>• W x D x H = 5.91 in. x 5.91 in. x 1.18 in. (150 mm x 150 mm x 30 mm)</li><li>• Weight: 0.61 lb (0.3 kg)</li></ul>
<b>Power</b>	12V 1A
<b>Certifications</b>	<ul style="list-style-type: none"><li>• FCC Class B</li><li>• CE</li><li>• IC</li><li>• cUL</li><li>• Wi-Fi</li></ul>
<b>Environmental operating range</b>	<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 RV110W.

**Table 4.** Configuration Requirements

Features	Description
<b>Network adapter</b>	PC with network adapter and Ethernet cable
<b>Web-based configuration</b>	Web browser

## Ordering Information

Table 5 gives ordering information for the Cisco RV110W.

**Table 5.** Ordering Information

Part Number	Product Name
<b>RV110W-A-NA-K9</b>	Cisco RV110W Wireless-N VPN Firewall (USA)
<b>RV110W-E-G5-K9</b>	Cisco RV110W Wireless-N VPN Firewall (Europe)
<b>RV110W-A-AU-K9</b>	Cisco RV110W Wireless-N VPN Firewall (Australia)
<b>RV110W-E-CN-K9</b>	Cisco RV110W Wireless-N VPN Firewall (China)
<b>RV110W-A-AR-K9</b>	Cisco RV110W Wireless-N VPN Firewall (Argentina)
<b>RV110W-A-CA-K9</b>	Cisco RV110W Wireless-N VPN Firewall (Canada)

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## 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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