

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. See Figure 1.

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 shows the back panel of the Cisco RV110W. Figure 3 shows a typical configuration using the firewall.

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

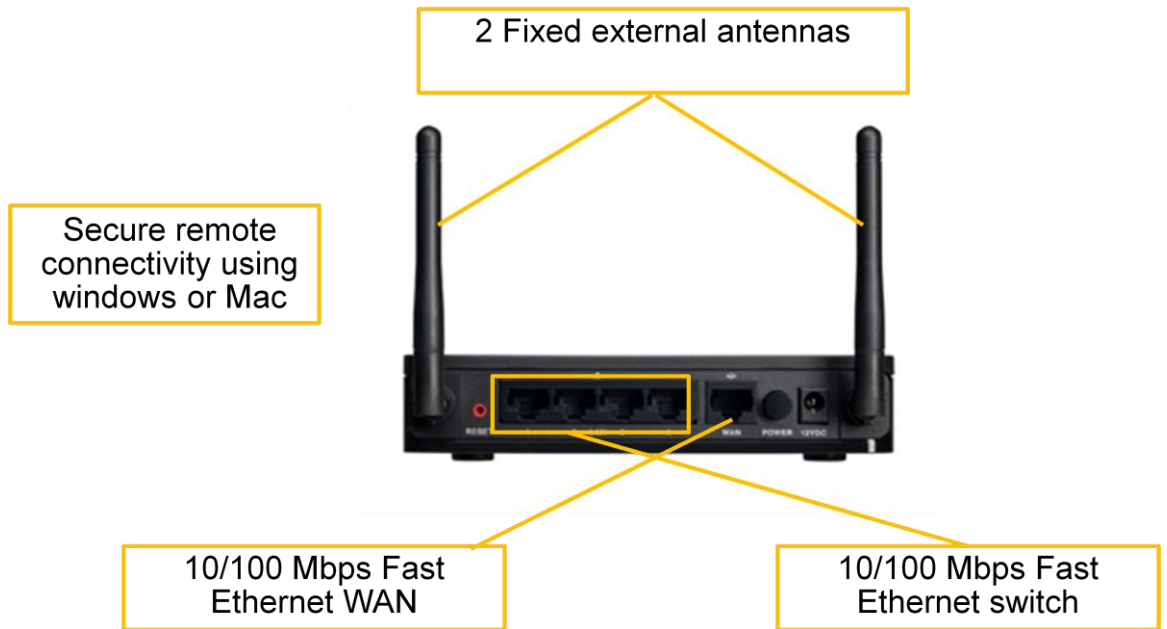
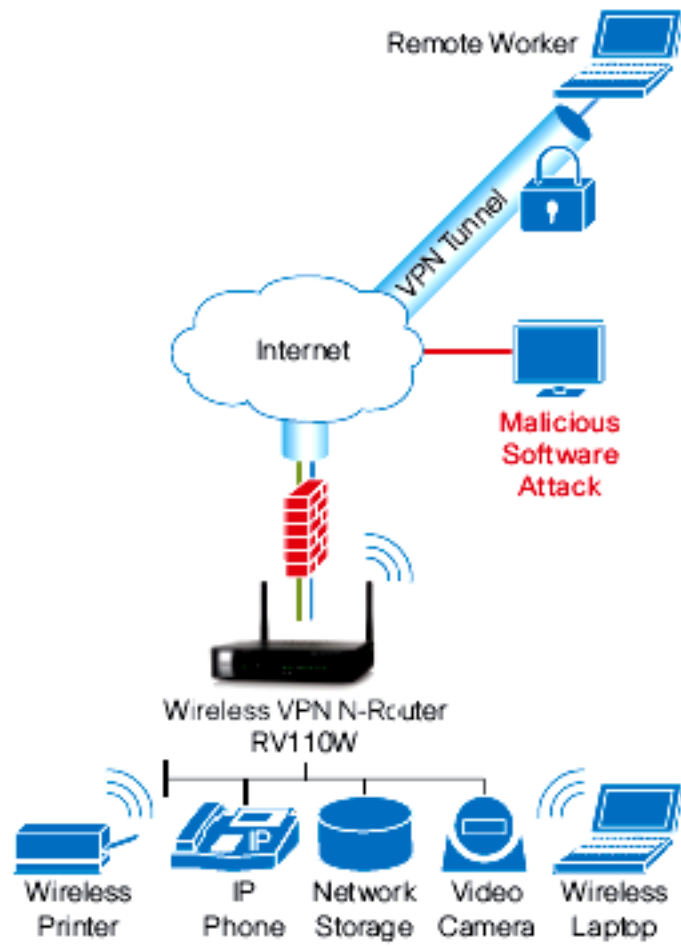


Figure 3 Typical Configuration for Cisco RV110W Wireless-N VPN Firewall



Product Specifications

Table 1 gives the product specifications for the Cisco RV110W.

Table 1 Product Specifications

Feature	Description
Routing	<ul style="list-style-type: none">• Static routing• Dynamic Routing Information Protocol (RIP) v1 and v2• Inter-VLAN routing
Layer 2	<ul style="list-style-type: none">• 802.1Q -based VLANs• 4 active VLANs (3 to 4094 range)
Network	<ul style="list-style-type: none">• 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• Internet Group Management Protocol (IGMP) proxy and multicast forwarding• Rapid Spanning Tree Protocol (RSTP)• Dynamic DNS (DynDNS), TZO, 3322.org)• Network Address Translation (NAT), Port Address Translation (PAT)• Port management• Port Mirroring• Software-configurable network edge (DMZ) to any LAN IP address
IPv6	<ul style="list-style-type: none">• Dual-stack IPv4 and IPv6• 6to4 tunneling• Multicast Listener Discovery (MLD) for IPv6 (RFC 2710)• Stateless address auto-configuration• DHCP v6 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
Security	<ul style="list-style-type: none">• Stateful packet inspection (SPI) firewall• Port forwarding and triggering• Firewall Access Control Lists and Content Filtering• Denial-of-service (DoS) prevention• MAC-based wireless access control• Static URL blocking or keyword blocking• Schedule-based Internet access policy• HTTPS web access to the device manager• username/password complexity enforcement• Self-signed SSL certificate

	<ul style="list-style-type: none"> • Import and export certificate using Privacy-Enhanced Mail (PEM) format
VPN	<ul style="list-style-type: none"> • 5 IPsec tunnels using Cisco QuickVPN client • 5 PPTP tunnels for remote client access • Triple Data Encryption Standard (3DES) VPN pass-through of PPTP, L2TP, and IPsec
Quality of service (QoS)	<ul style="list-style-type: none"> • 802.1p port-based priority on LAN port, application-based priority on WAN port • 4 queues • Differentiated Services Code Point support (DSCP) • Class of Service (CoS) • Bandwidth Management for service prioritization
Management	<ul style="list-style-type: none"> • Simple Network Management Protocol (SNMP) v3 • Event logging: local, syslog, email alerts • Firmware upgradable through web browser • Imported/exported configuration in text format • Simple browser-based configuration (HTTP/HTTPS) • Bonjour and Universal Plug and Play (UPnP) • Network diagnostics: Ping, Traceroute, and DNS Lookup
Performance	<ul style="list-style-type: none"> • NAT throughput: 90 Mbps • 5000 concurrent sessions • VPN throughput: 5Mbps

Wireless LAN Specifications

Table 2 gives the wireless specifications for the Cisco RV110W.

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"> • 802.11b: direct sequence spread spectrum (DSSS) • 802.11g/n: orthogonal frequency division multiplexing (OFDM) • 2 omnidirectional 1.8 dBi gain fixed external antennas <p>Operating channels:</p> <ul style="list-style-type: none"> • 11 in North America • 13 in most of Europe • Automatic channel selection <p>Transmit power:</p> <ul style="list-style-type: none"> • 802.11b: 17 dBm +/- 1.5 dBm • 802.11g: 15 dBm +/- 1.5 dBm • 802.11n: 12.5 dBm +/- 1.5 dBm <p>Receiver sensitivity:</p> <ul style="list-style-type: none"> • -87 dBm at 11 Mbps • -71 dBm at 54 Mbps • -68 dBm at mcs15, HT20 / -66dBm at mcs15, HT40

Wireless Domain Services (WDS)	<ul style="list-style-type: none"> Allows wireless signals to be repeated by up to 3 compatible devices
Wi-Fi Multimedia (WMM)	<ul style="list-style-type: none"> WMM with QoS (802.11e), WMM power save (WMM-PS)
Active WLAN clients	<ul style="list-style-type: none"> Up to 32 clients
Service Set Identifiers (SSIDs)	<ul style="list-style-type: none"> Up to 4 separate wireless networks

Wireless isolation	<ul style="list-style-type: none"> Wireless isolation between clients
WLAN security	<ul style="list-style-type: none"> WPS (Wi-Fi Protected Setup), Wired Equivalent Privacy (WEP), Wi-Fi Protected Access (WPA) personal and enterprise, WPA2 personal and enterprise

System Specifications

Table 3 gives the system specifications for the Cisco RV110W.

Table 3 System Specifications

Feature	Description
WAN	One 10/100 Mbps Fast Ethernet WAN port
LAN	Four 10/100 Mbps Fast Ethernet LAN ports
WLAN	Built-in 802.11n wireless access point
LEDs	Power, WPS, WAN, Wireless, LAN (ports 1-4)
Switch	Power button (on/off)
Physical dimensions and weight	<ul style="list-style-type: none"> W x D x H = 5.91 in. x 5.91 in. x 1.18 in. (150 mm x 150 mm x 30 mm) Weight: 0.61 lb (0.3 kg)
Power	12V 1A
Certifications	<ul style="list-style-type: none"> FCC Class B CE IC cUL Wi-Fi
Environmental operating range	<ul style="list-style-type: none"> 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% noncondensing Storage humidity: 5% to 90% noncondensing

Configuration Requirements

Table 4 lists the configuration requirements for the Cisco RV110W.

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 RV110W.

Table 5 Ordering Information

Part Number	Product Name
RV110W-A-NA-K9	Cisco RV110W Wireless-N VPN Firewall (USA)
RV110W-E-G5-K9	Cisco RV110W Wireless-N VPN Firewall (Europe)
RV110W-A-AU-K9	Cisco RV110W Wireless-N VPN Firewall (Australia)
RV110W-E-CN-K9	Cisco RV110W Wireless-N VPN Firewall (China)
RV110W-A-CA-K9	Cisco RV110W Wireless-N VPN Firewall (Canadian French)
RV110W-A-AR-K9	Cisco RV110W 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/all_business_routers/index.html

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