

Cisco RV215W Wireless-N VPN Router

Simple, Secure Connectivity for the Small Office and Home Office

Figure 1. Cisco RV215W Wireless-N VPN Router



The Cisco® RV215W Wireless-N VPN Router provides simple, affordable, highly secure, business-class connectivity to the Internet from small and home offices and remote locations.

The Cisco RV215W has a USB port to enable 3G and 4G WAN connectivity that is perfect for remote regions or temporary connectivity. The RV215W delivers 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 that 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, delivering support for the latest technologies. See Figure 1.

Product Overview

The Cisco RV215W Wireless-N VPN Router features:

- High-speed, standards-based 802.11n wireless connectivity with fast throughput and broad coverage allows people to remain productive while away from their desks
- Integrated 4-port 10/100 switch easily connects computers, printers, IP phones, cameras, and other devices to your network
- Proven firewall with access rules and advanced wireless security keeps your business assets safe from predators
- Quality of service (QoS) support prioritizes voice, video, and data traffic to keep your business moving
- Separate “virtual” networks limit access to sensitive information and deliver highly secure wireless access to guests
- IP Security (IPsec) and Point-to-Point Tunneling Protocol (PPTP) VPN provides highly secure remote connectivity for Windows and Mac OS computers

- USB port allows 3G and 4G wireless Internet connectivity anywhere (USB data card required)
- IPv6, the latest version of the Internet Protocol, lets you take advantage of the newest technologies
- An intuitive, browser-based device manager gets you up and running quickly, so you can get back to your business
- Support for the Cisco FindIT Network Discovery Utility

Figure 2. Back Panel of the Cisco RV215W Wireless-N VPN Router

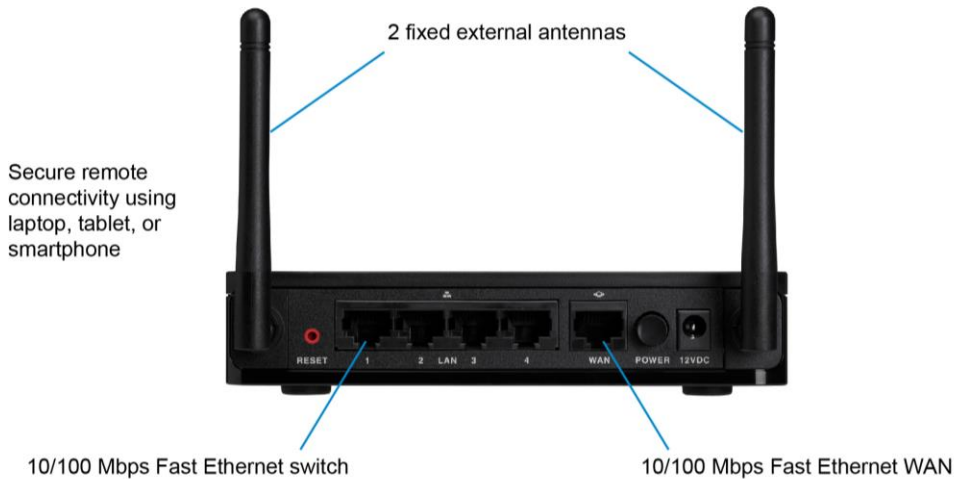
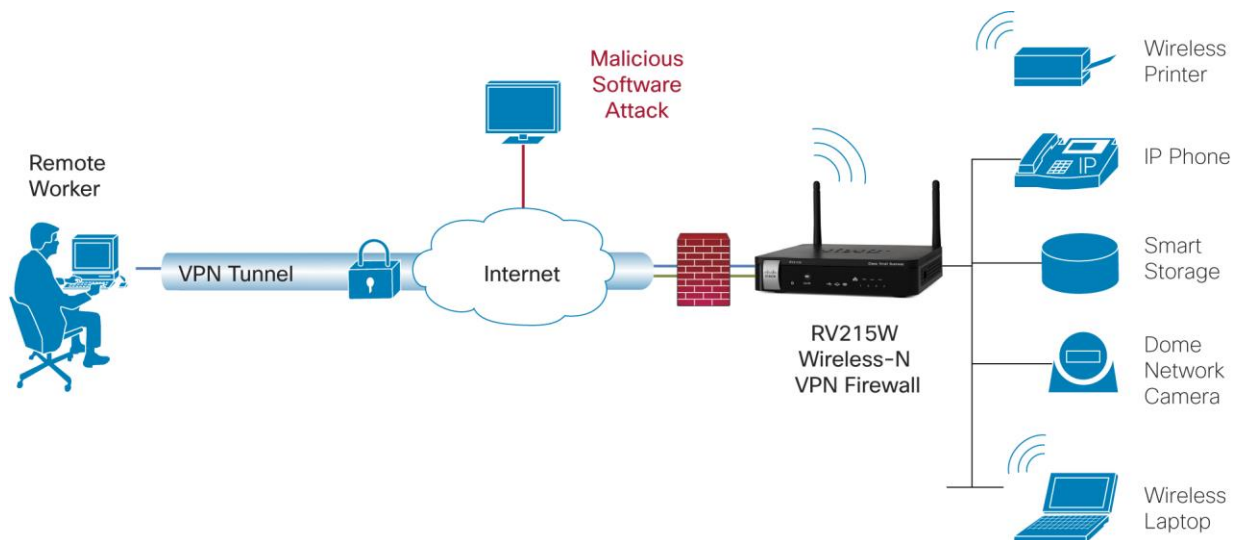


Figure 3. Typical Configuration for Cisco RV215W Wireless-N VPN Router



Product Specifications

Table 1. Product Specifications for the Cisco RV215W

Feature	Description
Routing	<ul style="list-style-type: none"> • Static routing • Dynamic routing • 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 • Rapid Spanning Tree Protocol (RSTP) • Dynamic DNS (DynDNS, TZO, no-ip.com, 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 • 6-to-4 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 RIP for IPv6 (RIPng) • IPv6 Rapid Deployment
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 • Import and export certificate using Privacy-Enhanced Mail (PEM) format
VPN	<ul style="list-style-type: none"> • 5 IPsec client sessions using Cisco QuickVPN client • 5 PPTP client sessions for remote client access • Triple Data Encryption Standard (3DES) • Support for VPN pass-through of PPTP, L2TP, and IPsec • 1 IPsec site-to-site tunnel for branch office VPN support
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 priority queues • Differentiated Services Code Point (DSCP) support • Class of Service (CoS) • Bandwidth management for service prioritization

Feature	Description
Management	<ul style="list-style-type: none"> • Simple Network Management Protocol (SNMP) v3 • Event logging: local, syslog, email alerts • Firmware updates through a web browser • Imported/exported configuration files in simple 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 • Concurrent sessions: 5000 • VPN throughput: 5 Mbps

Wireless LAN Specifications

Table 2. Wireless LAN Specifications for the Cisco RV215W

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 msc15, HT20 / -66dBm at mcs15, HT40°
Wireless Domain Services (WDS)	<ul style="list-style-type: none"> • Wireless signals can 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. System Specifications for the Cisco RV215W

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 (W x D x H) and weight	<ul style="list-style-type: none"> • 5.91 in. x 5.91 in. x 1.18 in. (150 mm x 150 mm x 30 mm) • 0.61 lb (0.3 kg)

Feature	Description
Power	12V 1.67A
Certifications	<ul style="list-style-type: none"> • FCC Class B • CE • IC • UL • cUL • Wi-Fi • C-Tick
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. Configuration Requirements for the Cisco RV215W

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

Ordering Information

Table 5. Ordering Information for the Cisco RV215W

Part Number	Product Name
RV215W-A-NA-K9	Cisco RV215W Wireless-N VPN Router (USA)
RV215W-E-G5-K9	Cisco RV215W Wireless-N VPN Router (Europe)
RV215W-A-AU-K9	Cisco RV215W Wireless-N VPN Router (Australia)

Warranty Information

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

For More Information

For more information, visit <https://www.cisco.com/c/en/us/solutions/small-business/networking/routers.html>.



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