Cisco RV160 VPN Router and RV160W Wireless-AC VPN Router

The Cisco® Small Business RV Series has a long tradition with our partners and customers. The new Cisco RV160 and RV160W routers continue the tradition with a blend of performance, security, and quality, plus simple configuration, deployment, and flexibility.

Product overview

Reliable, secure routing is required for any business, regardless of its size. Like all of the routers in the Cisco Small Business RV Series, the RV160 and RV160W are perfect for the small business, home office, teleworker, retail, office, restaurant, small hospitality, medical/dental, real estate, or small branch deployment.

The RV160 and RV160W models are easy to configure and deploy, offer low-touch remote deployment, are supported by our FindIT network platform, and deliver performance unheard of in a 100-level RV Series model. The all-new user interface is easy to use and quicker to configure.

These models have a dual-core processor that provides performance usually found only in more expensive solutions. A Small Form-Factor Pluggable (SFP) WAN port provides flexible connectivity and investment protection. Like the other models in the portfolio, the RV160 and RV160W include standard features such as a business-grade Stateful Packet Inspection (SPI) firewall, VPN security (IP Security [IPsec], Point-to-Point Tunneling Protocol [PPTP], and OpenVPN), content filtering, and device wizards to make an easy setup even easier.

The RV160 is a wired model, offering a high-performance user experience at an affordable cost. The RV160W offers the same plus 2x2 Wireless AC. This all-in-one model offers fantastic wireless performance and range for the small business and remote office.

Prominent feature/Differentiator/Capability

The Cisco RV160 and RV160W VPN routers are high-performance models that combine business-class features with security, reliability, and overall value. Both models are perfect for the small business or small home office network.

A new user interface helps you get up and running with Internet access in minutes. You will enjoy reliable, highly secure connectivity that is so transparent you may not be aware of it.

Features and benefits

- The RV160 provides wired connectivity
- The RV160W is a wireless VPN router, with 2x2 802.11ac wireless
- Flexible SFP/RJ-45 combination WAN ports
- Native 4-port switch
- High-performance Gigabit Ethernet ports, enabling large file transfers and multiple users

Product specifications

Description	Specification
Ethernet WAN	1 RJ-45 SFP Gigabit Ethernet combination port
Ethernet LAN	4 RJ-45 Gigabit Ethernet ports
Console port	1 RJ-45 port
Switch	Power on/off
Cabling type	Category 5 or better
LEDs	Power, VPN, WAN, LAN
Operating system	Linux
LAN	
VLANs	16
Port security	Yes, 802.1X
IPv6	Dual stack, 6rd, 6in4
WAN	Dynamic Host Configuration Protocol (DHCP) client, static IP, Point-to-Point Protocol over Ethernet (PPPoE), PPTP, Layer 2 Tunneling Protocol (L2TP)
WLAN	2x2 wireless 802.11ac (RV160W)
Security	
Firewall	SPI firewall
	Port forwarding and triggering
	Denial-of-Service prevention (DoS)
Access control	IP access control lists
Secure management	HTTPS, username/password complexity
User privileges	Two levels of access: Admin and guest

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 - Internet Group Management Protocol (IGMP) proxy and multicast forwarding - Rapid Spanning Tree Protocol (RSTP) - Dynamic DNS (TZO, DynDNS, 3322.org, No-IP) - Network Address Translation (NAT), Port Address Translation (PAT) - One-to-one NAT - Port management - Port mirroring - Software-configurable DMZ to any LAN IP address - Session Initiation Protocol (SIP) Application-Layer Gateways (ALG)
Routing protocols	- Static routing, IGMP proxy - Dynamic routing - Dynamic DNS (ChangeIP, DynDNS, No-IP) - Routing Information Protocol (RIP) v1 and v2 - RIP for IPv6 (RIPng) - Inter-VLAN routing

Network	
NAT protocol	Port Address Translation (PAT), Network Address Port Translation (NAPT)
	Policy NAT
	Port forwarding, one-to-one NAT, VPN NAT Traversal, Session Initiation Protocol (SIP), ALG, FTP ALG
VPN	
Gateway-to-gateway IPsec VPN	10 IPsec tunnels
Client-to-gateway IPsec VPN	10 IPsec tunnels
IPsec VPN	Internet Key Exchange (IKE) v2, Generic Routing Encapsulation (GRE), hub and spoke supported
PPTP VPN	10 PPTP VPN tunnels
OpenVPN	Support for the OpenVPN server
Encryption	Triple Data Encryption Standard (3DES), Advanced Encryption Standard (AES) with 128, 192, and 256-bit keys encryption
VPN pass-through	IPsec, PPTP, and L2TP pass-through
Quality of Service (QoS)	
QoS	• 802.1p port-based priority on LAN port, application-based priority on WAN port • 4 queues • Differentiated Services Code Point (DSCP) support • Class of service (CoS) • Bandwidth management for service prioritization
Jumbo frame support	Supports jumbo frames on Gigabit ports – at least 1536B
Performance	
NAT throughput	600 Mbps
Concurrent sessions	15,000
IPsec VPN throughput	50 Mbps
Configuration	
Web-based user interface	Browser-based configuration (HTTP/HTTPS)
Management	Web-based user interface, Simple Network Management Protocol (SNMP) v3, Bonjour, Universal Plug and Play (PnP) FindIT support for monitoring and management
Event logging	Local, syslog, email alerts
Network diagnostics	Ping, traceroute, DNS lookup
Upgradability	Firmware upgradable via browser UI, imported/exported file, USB, Cisco FindIT
System time	Network Time Protocol (NTP), Daylight Savings, manual entry
Language support	User interface support: English
Environmental	
Power	RV160: 12VDC/1.5A RV160W: 12VDC/2A
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

Network	
Certifications	Safety: • UL 60950-1 • CAN/CSA-C22.2 No. 60950-1 • IEC 60950-1 • EN 60950-1 Radio approvals: • FCC Part 15.247, 15.407 • RSS-210 (Canada) • EN 300.328, EN 301.893 (Europe) • AS/NZS 4268.2003 (Australia and New Zealand) EMI and susceptibility (Class B): • FCC Part 15.107 and 15.109 • ICES-003 (Canada) • EN 301.489-1 and -17 (Europe)

Ordering information

Part number	Product description
RV160	
RV160-K9-NA	United States, Canada, Columbia, Mexico, Chile, Taiwan
RV160-K9-G5	EU (CE Mark) 32 countries, Ukraine, Hong Kong, Singapore, Thailand, Vietnam, Philippines, Indonesia, Malaysia, Saudi Arabia, UAE, South Africa
RV160-K9-AU	Australia, New Zealand
RV160-K9-AR	Argentina
RV160-K9-BR	Brazil
RV160-K9-CN	China
RV160-K9-IN	India
RV160-K9-JP	Japan
RV160-K9-KR	Korea
RV160-K8-RU	Russian Federation
RV160W	
RV160W-A-K9-NA	United States, Canada, Columbia, Mexico
RV160W-E-K9-G5	EU (CE Mark) 32 Countries, Hong Kong, Singapore, Thailand, Vietnam, Philippines
RV160W-A-K9-AU	Australia, New Zealand
RV160W-A-K9-AR	Argentina
RV160W-A-K9-BR	Brazil
RV160W-C-K9-CN	China
RV160W-I-K9-IN	India
RV160W-E-K9-JP	Japan
RV160W-R-K8-RU	Russian Federation

Dimensions

	RV 160	RV 160W
Device Dimension/Weight	Size: (L)200x(W)150x(H)30 mm Weight: 570 g	Size: (L)200x(W)150x(H)30 mm Weight: 630 g
Single Box Dimensions/Weight	O.D.Size: (L)288˚(W)249˚(H)106 mm Weight: 1.19 kg	O.D.Size: (L)288˚(W)249˚(H)106 mm Weight: 1.26 kg

Warranty information

Cisco limited lifetime warranty for Cisco products

This Cisco product comes with a limited lifetime hardware warranty. Product warranty terms and other information applicable to Cisco products are available at https://www.cisco.com/go/warranty.

Cisco Support Service

Cisco Support Service offers an affordable, subscription-based support service that helps protect your investment and derive maximum value from Cisco products. Delivered and backed by Cisco, this comprehensive service includes software updates, extended access to the Cisco Support Center, and expedited hardware replacement, if required.

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For more information

For more information on the Cisco RV160 and RV160W VPN routers, visit https://www.cisco.com/go/rv160.

Firmware

To download firmware for the routers, visit Cisco Software Central.

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