

Cisco RV016 Multi-WAN VPN Router

Highly Secure, Reliable Connectivity for the Small Business Network

The Cisco® RV016 Multi-WAN VPN Router delivers highly secure, high-performance, reliable connectivity - to the Internet, other offices, and employees working remotely - from the heart of your small business network. This proven router provides the performance and security you need to help keep your employees, and your business, productive.

Up to 7 of the 16 ports on the Cisco RV016 can be configured for load balancing to improve performance, or they can be used to connect to different providers to support business continuity. High-capacity virtual private network (VPN) capabilities let multiple offices and dozens of employees access the information they need from anywhere, just as securely as if they were working at your main office.

To further safeguard your network and data, the Cisco RV016 includes business-class security features and optional cloud-based web filtering. Configuration is a snap, using an intuitive, browser-based device manager and setup wizards.

Figure 1. Cisco RV016 Multi-WAN VPN Router



Features

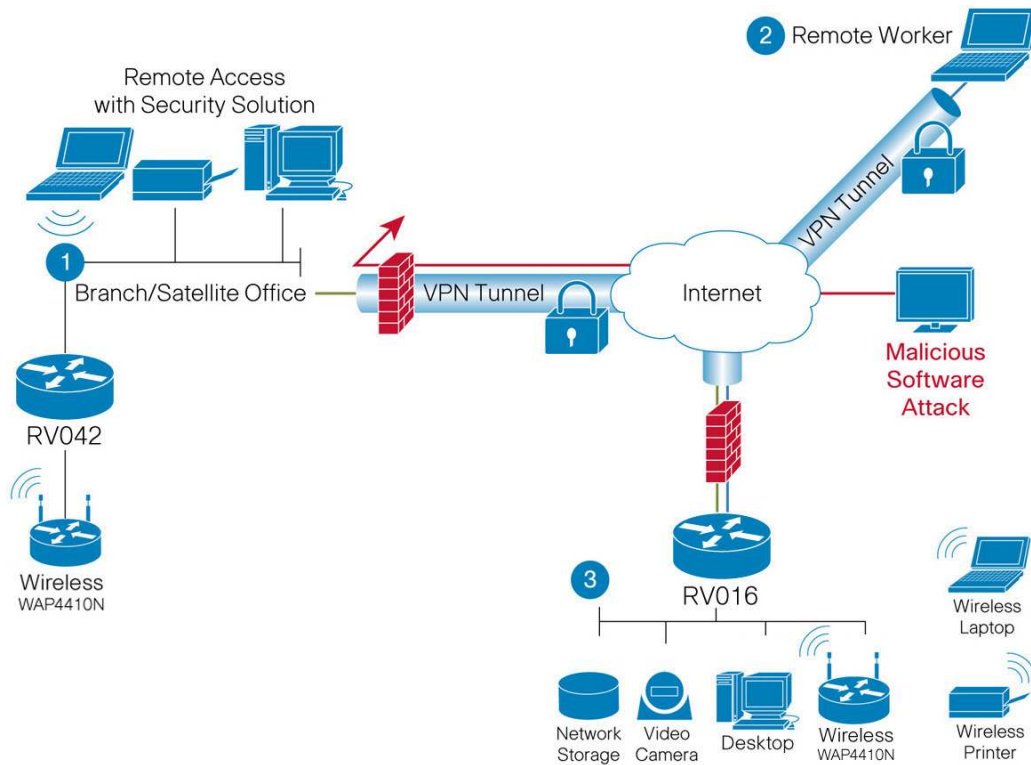
- 16 10/100 Mbps Fast Ethernet ports, including 2 WAN ports and 1 dedicated network edge (DMZ) port
- 13 10/100 Mbps Fast Ethernet switch ports, including 5 that may be configured as WAN ports to support load balancing or business continuity
- Strong security: Proven stateful packet inspection (SPI) firewall, and hardware encryption
- High capacity, high-performance IPsec VPN capabilities
- Optional Cisco ProtectLink Web cloud-based security service provides dynamic URL filtering and web threat protection
- Intuitive, browser-based device manager and setup wizards

Figure 2 shows the front panel of the Cisco RV016. Figure 3 shows a typical configuration.

Figure 2. Front Panel of the Cisco RV016



Figure 3. Typical Configuration



Product Specifications

Table 1 lists the product specifications for the Cisco RV016.

Table 1. Product Specifications

Specifications	
Multi-WAN	Supports up to 7 WAN ports with load balancing; WAN ports may be configured to support only specified IP ranges and/or services
Standards	<ul style="list-style-type: none"> • 802.3, 802.3u • IPv4 (RFC 791) • Routing Information Protocol (RIP) v1 (RFC 1058) and v2 (RFC 1723)
Network protocols	<ul style="list-style-type: none"> • Dynamic Host Configuration Protocol (DHCP) server, DHCP client, DHCP relay agent • Static IP • Point-to-Point Protocol over Ethernet (PPPoE) • Point-to-Point Tunneling Protocol (PPTP) • Transparent bridge • DNS relay, Dynamic DNS (DynDNS, 3322)
Routing protocols	<ul style="list-style-type: none"> • Static • RIP v1 and v2
Network Address Translation (NAT)	<ul style="list-style-type: none"> • Port Address Translation (PAT) • Network Address Port Translation (NAPT), NAT traversal, one-to-one NAT
Protocol binding	Protocols can be bound to a specific WAN port for load balancing
DMZ	Dedicated DMZ port, DMZ host
Security	
Firewall	SPI, denial of service (DoS), ping of death, SYN flood, land attack, IP spoofing, email alert for hacker attack
Access rules	Up to 50 entries
Port forwarding	Up to 30 entries
Port triggering	Up to 30 entries

Blocking	Java, cookies, ActiveX, HTTP proxy
Content filtering	Static URL blocking or keyword blocking
Web filtering	Optional Cisco ProtectLink Web cloud-based security service
Secure management	HTTPS, username/password, password complexity
VPN	
IPsec	100 IPsec site-to-site tunnels for branch office connectivity
QuickVPN	50 QuickVPN tunnels for remote client access
PPTP	10 PPTP tunnels for remote access
Encryption	Data Encryption Standard (DES), Triple Data Encryption Standard (3DES), and Advanced Encryption Standard (AES) encryption; AES-128, AES-192, AES-256
Authentication	MD5/SHA1 authentication
IPsec NAT traversal	Supported for gateway-to-gateway and client-to-gateway tunnels
VPN pass-through	PPTP, L2TP, IPsec
Advanced VPN	Dead peer detection (DPD), IKE, split DNS, VPN backup
Quality of Service (QoS)	
Prioritization types	Application-based priority on WAN port
Service-based QoS	Supports rate control or priority
Rate control	Upstream/downstream bandwidth can be configured per service
Priority	Each service can be mapped to one of 3 priority levels
Performance	
NAT throughput	200 Mbps
IPsec VPN throughput	97 Mbps
Configuration	
Web user interface	Simple browser-based device manager (HTTP/HTTPS)
Management	
Management protocols	Web browser, Simple Network Management Protocol (SNMP) v1 and v2c, Bonjour
Event logging	Syslog, email alerts, VPN tunnel status monitor
Upgradability	Firmware upgradable through web browser, imported/exported configuration file

System Specifications

Table 2 lists the system specifications for the Cisco RV042.

Table 2. System Specifications

Product dimensions (W x H x D)	11.00 in. x 1.75 in. x 9.50 in. 279.4 mm x 44.45 mm x 241.3 mm
Ports	16 10/100 RJ-45 ports, including 2 WAN (Internet) ports, 1 dedicated DMZ port, 8 dedicated LAN ports, and 5 ports that may be configured as WAN (Internet) or LAN ports
Power	AC 100–240V, 50–60Hz
Certification	FCC class B, CE Class A, cUL, Anatel, MEPS, CCC, PSB, CB, C-tick, KCC
Operating temperature	0° to 40°C (32° to 104°F)
Storage temperature	0° to 70°C (32° to 158°F)
Operating humidity	10% to 85% noncondensing
Storage humidity	5% to 90% noncondensing

Ordering Information

Table 3 lists ordering information for the Cisco RV016.

Table 3. Ordering Information

Part Number	Description
RV016	RV016 Multi-WAN VPN Router for US/Canada, Argentina
RV016-G5	RV016 Multi-WAN VPN Router for Europe, Asia and Brazil

Cisco Limited Lifetime Warranty for Cisco Small Business Products

This Cisco Small Business product comes with a limited lifetime hardware warranty with return-to-factory replacement and a 1-year limited warranty for fans and power supplies. In addition, Cisco offers telephone technical support at no charge for the first 12 months following the date of purchase and software bug fixes, as available, for the warranty term. Product warranty terms and other information applicable to Cisco products are available at <http://www.cisco.com/go/warranty>.

Cisco Services

Cisco Small Business products are supported by professionals in Cisco Small Business Support Center locations worldwide who are specifically trained to understand your needs. The Cisco Small Business Support Community, an online forum, enables you to collaborate with your peers and reach Cisco technical experts for support information.

Cisco Small Business Support Service

The optional Cisco Small Business Support Service offers affordable, 3-year peace-of-mind coverage. This subscription-based, device-level service helps you protect your investment and derive maximum value from Cisco Small Business products. Delivered by Cisco and backed by your trusted partner, this comprehensive service includes software updates, extended access to the Cisco Small Business Support Center, and expedited hardware replacement, should it be required.

For More Information

For more information on Cisco Small Business products and solutions, visit <http://www.cisco.com/smallbusiness>.



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

Cisco and the Cisco Logo are trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and other countries. A listing of Cisco's trademarks can be found at www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1005R)