

## 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

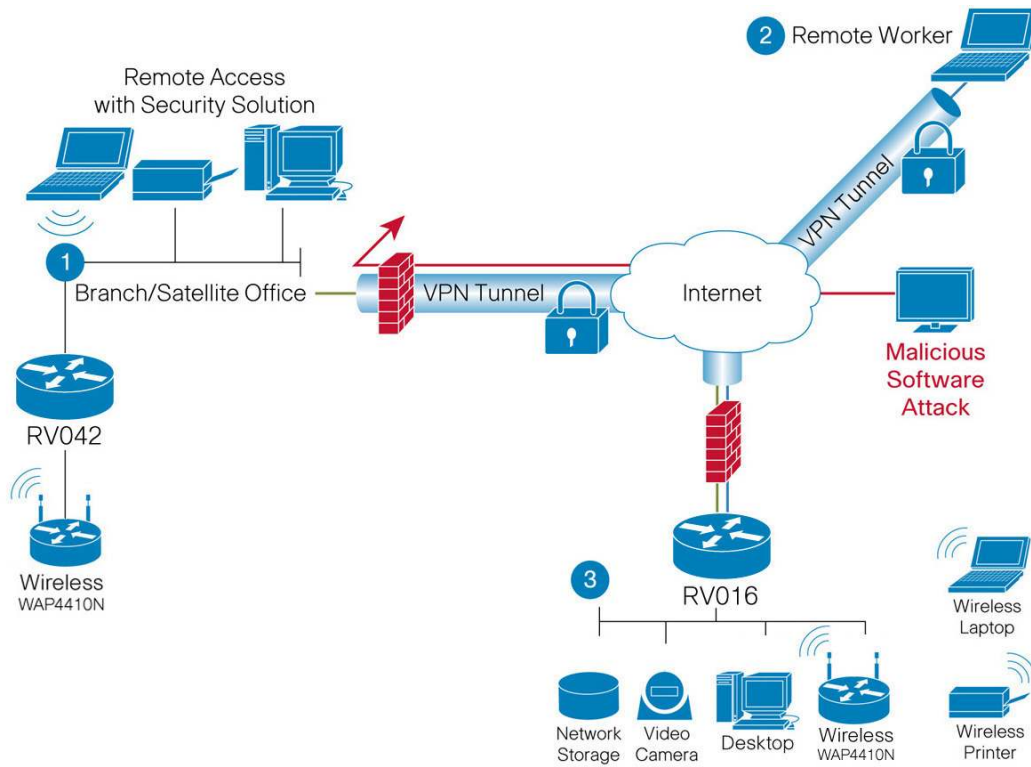
- 16 10/100 Mbps Fast Ethernet ports, including 2 WAN ports and 1 dedicated network edge (DMZ) port
- 13 10/100 Mbps Fast Ethernet switch ports, including 5 that may be configured as WAN ports to support load balancing or business continuity
- Strong security: Proven stateful packet inspection (SPI) firewall, and hardware encryption
- High capacity, high-performance IPsec VPN capabilities
- 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	
<b>Multi-WAN</b>	Supports up to 7 WAN ports with load balancing; WAN ports may be configured to support only specified IP ranges and/or services
<b>Standards</b>	<ul style="list-style-type: none"> <li>• 802.3, 802.3u</li> <li>• IPv4 (RFC 791)</li> <li>• Routing Information Protocol (RIP) v1 (RFC 1058) and v2 (RFC 1723)</li> </ul>
<b>Network protocols</b>	<ul style="list-style-type: none"> <li>• Dynamic Host Configuration Protocol (DHCP) server, DHCP client, DHCP relay agent</li> <li>• Static IP</li> <li>• Point-to-Point Protocol over Ethernet (PPPoE)</li> <li>• Point-to-Point Tunneling Protocol (PPTP)</li> <li>• Transparent bridge</li> <li>• DNS relay, Dynamic DNS (DynDNS, 3322)</li> </ul>
<b>Routing protocols</b>	<ul style="list-style-type: none"> <li>• Static</li> <li>• RIP v1 and v2</li> </ul>
<b>Network Address Translation (NAT)</b>	<ul style="list-style-type: none"> <li>• Port Address Translation (PAT)</li> <li>• Network Address Port Translation (NAPT), NAT traversal, one-to-one NAT</li> </ul>
<b>Protocol binding</b>	Protocols can be bound to a specific WAN port for load balancing
<b>DMZ</b>	Dedicated DMZ port, DMZ host
<b>Security</b>	
<b>Firewall</b>	SPI, denial of service (DoS), ping of death, SYN flood, land attack, IP spoofing, email alert for hacker attack
<b>Access rules</b>	Up to 50 entries
<b>Port forwarding</b>	Up to 30 entries
<b>Port triggering</b>	Up to 30 entries

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

<b>Product dimensions (W x H x D)</b>	11.00 in. x 1.75 in. x 9.50 in. 279.4 mm x 44.45 mm x 241.3 mm
<b>Ports</b>	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
<b>Power</b>	AC 100–240V, 50–60Hz
<b>Certification</b>	FCC class B, CE Class A, cUL, Anatel, MEPS, CCC, PSB, CB, C-tick, KCC
<b>Operating temperature</b>	0° to 40°C (32° to 104°F)
<b>Storage temperature</b>	0° to 70°C (32° to 158°F)
<b>Operating humidity</b>	10% to 85% noncondensing
<b>Storage humidity</b>	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>.

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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.

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