

# Cisco RV042G Dual Gigabit WAN VPN Router

## Highly Secure, Reliable Connectivity for the Small Business Network

The Cisco® RV042G Dual Gigabit 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.

The Cisco RV042G enables two connections, either to a single service provider, with load balancing to improve performance, or 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 RV042G 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 RV042G Dual Gigabit WAN VPN Router



## Features

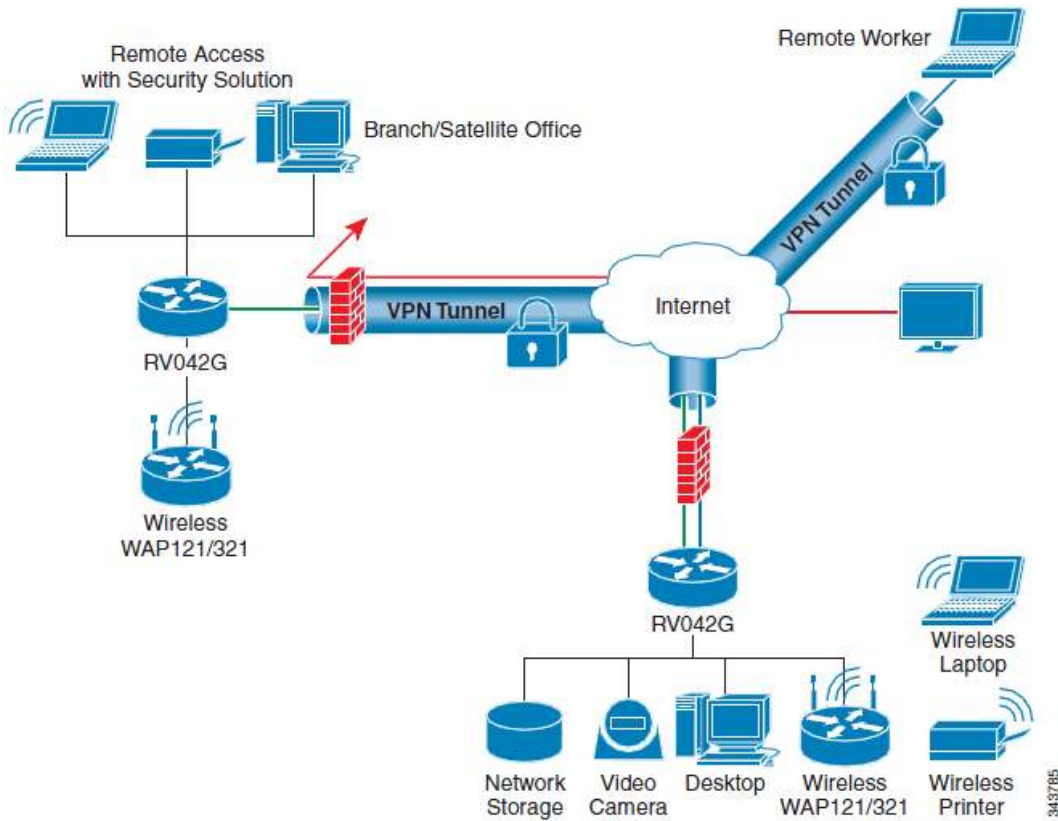
- Dual Gigabit Ethernet WAN ports for load balancing and/or business continuity
- Built-in 4-port Gigabit Ethernet switch
- Strong security: Proven stateful packet inspection (SPI) firewall and hardware encryption
- High-capacity, high-performance IP Security (IPsec) VPN capabilities
- Intuitive, browser-based device manager and setup wizards

Figure 2 shows the back panel of the Cisco RV042G. Figure 3 shows a typical configuration.

**Figure 2.** Back Panel of the Cisco RV042G



**Figure 3.** Typical Configuration



## Product Specifications

Table 1 lists the product specifications for the Cisco RV042G.

**Table 1.** Product Specifications

Specifications	
<b>Dual WAN</b>	Configurable for Smartlink backup or load balancing
<b>Standards</b>	<ul style="list-style-type: none"> <li>• 802.3, 802.3u</li> <li>• IPv4 (RFC 791)</li> <li>• IPv6 (RFC 2460)</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> <li>• IPv6</li> </ul>
<b>Routing protocols</b>	<ul style="list-style-type: none"> <li>• Static</li> <li>• Routing Information Protocol (RIP) v1, v2, and RIP for IPv6 (RIPng)</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>Network edge (DMZ)</b>	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>VLAN</b>	Port-based VLANs
<b>VPN</b>	
<b>IPsec</b>	50 IPsec site-to-site tunnels for branch office connectivity
<b>QuickVPN</b>	50 QuickVPN tunnels for remote client access
<b>PPTP</b>	5 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, Layer 2 Tunneling Protocol (L2TP), IPsec
<b>Advanced VPN</b>	Dead peer detection (DPD), Internet Key Exchange (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>	800 Mbps
<b>IPsec VPN throughput</b>	75 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
<b>Migration</b>	Migration utility available to convert the RV042 config file to a RV042G config file

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## System Specifications

Table 2 lists the system specifications for the Cisco RV042G.

**Table 2.** System Specifications

<b>Product dimensions (W x H x D)</b>	5.12 in. x 1.52 in. x 7.87 in. 130 mm x 38.5 mm x 200 mm
<b>Ports</b>	Four 10/100/1000 RJ-45 ports, one 10/100/1000 RJ-45 Internet port, one 10/100/1000 RJ-45 DMZ/Internet port
<b>Power supply</b>	12V 1A
<b>Certification</b>	FCC Class B, CE Class B, UL, cUL, CB
<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

## 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 [www.cisco.com/smallbusiness](http://www.cisco.com/smallbusiness).



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