

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

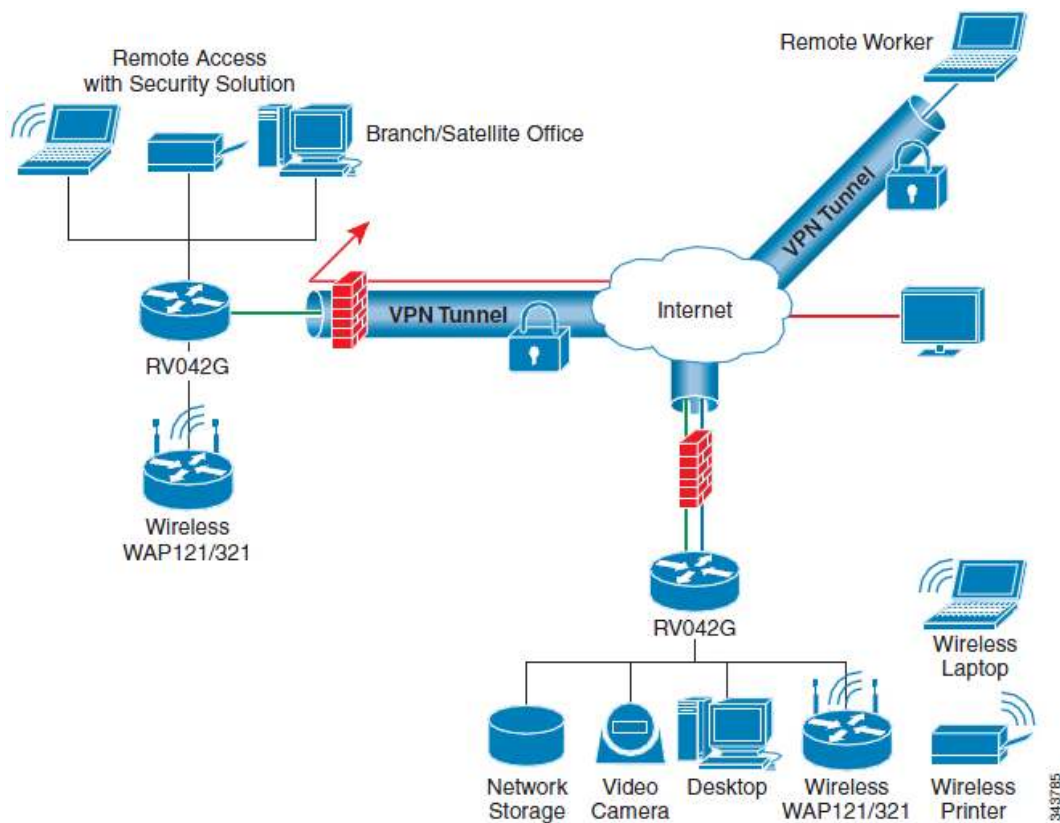
- Dual Gigabit Ethernet WAN ports for load balancing and/or business continuity
- Built-in 4-port Gigabit Ethernet switch
- Strong security: Proven stateful packet inspection (SPI) firewall and hardware encryption
- High-capacity, high-performance IP Security (IPsec) VPN capabilities
- Intuitive, browser-based 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	
Dual WAN	Configurable for Smartlink backup or load balancing
Standards	• 802.3, 802.3u • IPv4 (RFC 791) • IPv6 (RFC 2460)
Network protocols	• 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) • IPv6
Routing protocols	• Static • Routing Information Protocol (RIP) v1, v2, and RIP for IPv6 (RIPng)
Network Address Translation (NAT)	• 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
Network edge (DMZ)	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
Secure management	HTTPS, username/password, password complexity
VLAN	Port-based VLANs
VPN	
IPsec	50 IPsec site-to-site tunnels for branch office connectivity
QuickVPN	50 QuickVPN tunnels for remote client access
PPTP	5 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, Layer 2 Tunneling Protocol (L2TP), IPsec
Advanced VPN	Dead peer detection (DPD), Internet Key Exchange (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	800 Mbps
IPsec VPN throughput	75 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
Migration	Migration utility available to convert the RV042 config file to a RV042G config file

System Specifications

Table 2 lists the system specifications for the Cisco RV042G.

Table 2. System Specifications

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

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.

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.