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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





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℃ (32°to 104年)
Storage temperature	0°to 70℃ (32°to 158年)
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. 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 Support Service

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