Cisco RV320 Dual Gigabit WAN VPN Router

Product Overview

Network connectivity is at the heart of every small business, and secure access, firewall protection, and high performance are the cornerstones of every Cisco® Small Business RV Series Router. The Cisco RV320 Dual Gigabit WAN VPN Router is no exception. With an intuitive user interface, the Cisco RV320 enables you to be up and running in minutes. The Cisco RV320 provides reliable, highly secure access connectivity for you and your employees that is so transparent you will not know it is there.

Figure 1. Cisco RV320 Dual Gigabit WAN VPN Router

Features and Benefits

- Dual Gigabit Ethernet WAN ports allow load balancing and business continuity.
- Affordable, high-performance Gigabit Ethernet ports enable rapid transfer of large files, supporting multiple users.
- Dual USB ports support a 3G/4G modem or flash drive. The WAN can also fail over to the 3G/4G modem connected to the USB port.
- SSL VPN and site-to-site VPN enable highly secure connectivity, making the Cisco RV320 perfect for remote employees and multiple offices.
- Stateful packet inspection (SPI) firewall and hardware encryption provide strong security.
- Easy-to-use wizard-based configuration tools can be used to establish network connectivity and manage security.

In an ever-changing business environment, your small business network has to be powerful, flexible, accessible, and highly reliable, especially when growth is a high priority. Your network must also be able to adapt cost-effectively to these growth spurts.

The Cisco RV320 Dual Gigabit WAN VPN Router is the choice for any network in which performance, security, reliability, and adaptability top the list of requirements. The Cisco RV320 supports two connections to one service provider, delivering high performance by using load balancing, or to two different providers to deliver business continuity. High-capacity virtual private networks (VPNs) connect multiple offices and enable dozens of employees to access the information they need from any geographic location just as securely as if they were working at your main office.

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Product Specifications

Table 1 lists the product specifications for the Cisco RV320.

Table 1. Product Specifications

Description	Specification
Dual WAN	• Dual Gigabit Ethernet Ports • Failover • Load balancing
Standards	• 802.3, 802.3u • IPv4 (RFC 791) • IPv6 (RFC 2460)
WAN Connectivity	• 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.org, 3322.org), DNS local database • IPv6
Routing protocols	• Routing Information Protocol (RIP) v1 and v2, and RIP for IPv6 (RIPng) • Inter-VLAN routing • Static routing • VLANs supported: 7
Network Address Translation (NAT)	• Port Address Translation (PAT) • One-to-one NAT • NAT traversal
Protocol binding	Protocols can be bound to a specific WAN port for load-balancing purposes
Network edge (DMZ)	• DMZ port • DMZ host
Dual USB 2.0 ports	Storage and 3G/4G modem support
Security	
Firewall	• SPI firewall • Denial-of-service (DoS) prevention: ping of death, SYN flood, IP spoofing, WinNuke
Access rules	• Schedule-based 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 web access to device manager • Username/password complexity enforcement
VLAN	802.1Q VLAN 7 VLANs supported
VPN	
IP Security (IPsec)	• 25 IPsec site-to-site tunnels for branch office connectivity • 25 IPsec VPN tunnels via Cisco VPN client and third-party clients such as “The GreenBow” for remote-access VPN connectivity
SSL VPN	10 SSL VPN tunnels for remote client access
PPTP	10 PPTP tunnels for remote access
Encryption	• Data Encryption Standard (DES) • Triple Data Encryption Standard (3DES) • Advanced Encryption Standard (AES) encryption: AES-128, AES-192, AES-256

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Description	Specification
Authentication	MD5/SHA1
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) • Split DNS • VPN backup • Internet Key Exchange (IKE) with certificate
Quality of Service (QoS)	
Service-based QoS	Rate control or priority
Rate control	Upstream/downstream bandwidth per service
Prioritization types	Application-based priority on WAN port
Priority	Services mapped to one of two priority levels
Performance	
IPsec VPN throughput	100 Mbps
SSL VPN throughput	20 Mbps
Concurrent connections	20,000
Configuration	
Web user interface	Browser-based device manager (HTTP/HTTPS)
Management	
Management protocols	• Web browser (HTTP/HTTPS) • Simple Network Management Protocol (SNMP) v1, v2c, and v3 • Bonjour
Event logging	• Local log • Syslog • Email alert • Short Message Service (SMS)
Upgradability	• Firmware upgradable through the web browser • Import or export configuration files from or to a USB flash drive

System Specifications

Table 2 lists the system specifications for the Cisco RV320.

Table 2. System Specifications

Description	Specification
Product dimensions (W x H x D)	206 x 132 x 44 mm (8.1 x 5.2 x 1.7 in)
Ports	Four 10/100/1000 Gigabit Ethernet RJ-45 ports One 10/100/1000 Gigabit Ethernet RJ-45 Internet (WAN) port One 10/100/1000 Gigabit Ethernet RJ-45 DMZ/Internet (WAN) port
Power supply	12V 1.5A
Certification	FCC Class B, CE Class B, UL, cUL, CB, CCC, BSMI, KC, Anatel
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

Warranty Information

Find warranty information on Cisco.com at the Product Warranties page.

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Ordering Information

Help customers understand all the components or parts they need to purchase in order to install and use the product. Table 3 lists ordering information for the Cisco RV320. This section also provides a direct link to the Cisco Ordering Tool and lists part numbers for customer convenience.

To place an order, visit the Cisco Ordering Home Page. To download software, visit the Cisco Software Center.

Table 3. Ordering Information

Product Name	Part Number
RV320 Dual WAN VPN Router	RV320-K9-NA
RV320 Dual WAN VPN Router	RV320-K9-G5
RV320 Dual WAN VPN Router	RV320-K9-AU
RV320 Dual WAN VPN Router	RV320-K9-CN
RV320 Dual WAN VPN Router	RV320-K9-AR

Cisco Limited Lifetime Warranty for Cisco Small Business Products

This Cisco Small Business product comes with a limited lifetime hardware warranty. Product warranty terms and other information applicable to Cisco products are available at www.cisco.com/go/warranty.

Cisco Small Business Support Service

This optional 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 the Cisco RV320 Dual Gigabit WAN VPN Router, visit www.cisco.com/go/rv320.

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

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Printed in USA C78-726132-02 02/14

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