

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, now with web filtering, 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

- New model with web filtering to guard against malicious or non-work-related websites.
- 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.

Your business and your employees are exposed to phishing, key loggers, spyware, drive-by malware, and other online threats. With the new RV320 with web filtering, you can keep your employees and users safe from unwanted content and malicious websites. This is accomplished without compromising the users' online experience and can even help boost employee productivity and network performance by limiting Internet surfing to appropriate site categories and eliminating unwanted network traffic. Users are also automatically protected from malicious/compromised websites, regardless of site categorization.

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.

Product Specifications

Table 1 lists the product specifications for the Cisco RV320.

Table 1. Product Specifications

| Description | Specification |
|--|---|
| Dual WAN | <ul style="list-style-type: none"> • Dual Gigabit Ethernet Ports • Failover • Load balancing |
| Standards | <ul style="list-style-type: none"> • 802.3, 802.3u • IPv4 (RFC 791) • IPv6 (RFC 2460) |
| WAN connectivity | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Routing Information Protocol (RIP) v1 and v2, and RIP for IPv6 (RIPng) • Inter-VLAN routing • Static routing • VLANs supported: 7 |
| Network Address Translation (NAT) | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • DMZ port • DMZ host |
| Dual USB 2.0 ports | Storage and 3G/4G modem support |
| Security | |
| Firewall | <ul style="list-style-type: none"> • SPI firewall • Denial-of-service (DoS) prevention: ping of death, SYN flood, IP spoofing, WinNuke |
| Access rules | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • HTTPS web access to device manager • Username/password complexity enforcement |

| Description | Specification |
|---------------------------------|--|
| VLAN | 802.1Q VLAN 7 VLANs supported |
| Web filtering | Content filtering covering 27+ billion URLs |
| VPN | |
| IP Security (IPsec) | <ul style="list-style-type: none"> • 25 IPsec site-to-site tunnels for branch office connectivity • 25 IPsec VPN tunnels via 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 | <ul style="list-style-type: none"> • Data Encryption Standard (DES) • Triple Data Encryption Standard (3DES) • Advanced Encryption Standard (AES) encryption: AES-128, AES-192, AES-256 |
| 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Web browser (HTTP/HTTPS) • Simple Network Management Protocol (SNMP) v1, v2c, and v3 • Bonjour |
| Event logging | <ul style="list-style-type: none"> • Local log • Syslog • Email alert • Short Message Service (SMS) |
| Upgradability | <ul style="list-style-type: none"> • 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.

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-WB-K9-NA |
| RV320 Dual WAN VPN Router | RV320-WB-K9-G5 |

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 <https://www.cisco.com/go/warranty>.

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For More Information

For more information on the Cisco RV320 Dual Gigabit WAN VPN Router, visit <https://www.cisco.com/go/rv320>.

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



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