

## Cisco RV082 Dual WAN VPN Router Cisco Small Business Routers

Secure Remote Access at the Heart of the Small Business Network

### Highlights

- Dual WAN connections for load balancing and connection redundancy
- Built-in 8-port 10/100 Ethernet switch
- Full IPsec VPN capabilities for up to 100 remote connections
- Advanced stateful packet inspection SPI firewall to help keep your network safe

**Figure 1.** Cisco RV082 Dual WAN VPN Router



### Product Overview

The Cisco® RV082 Dual WAN VPN Router (Figure 1) is an advanced connection-sharing network solution for your small business needs. Like any router, it lets multiple computers in your office share a connection to a public or private network. However, with dual WAN ports, the Cisco RV082 lets you use a second connection as a backup to help you stay connected, or it can be used to access a second provider to increase available bandwidth and balance traffic.

The Cisco RV082 also features a built-in 8-port full-duplex 10/100 Ethernet switch to connect eight PCs directly, or you can connect more hubs and switches to create as big a network as you need.

The VPN capability creates encrypted “tunnels” through the Internet, allowing up to 100 remote offices or traveling users to securely connect into your office network from offsite. Users connecting through a VPN tunnel are attached to your company’s network -- with secure access to files, email, and your intranet -- just as if they were in the building. You can also use the VPN capability to allow users on your small office network to securely connect out to a corporate network.

The Cisco RV082 can serve as a Dynamic Host Configuration Protocol (DHCP) server and has a powerful stateful packet inspection (SPI) firewall to protect your PCs against intruders and most known Internet attacks. It can be configured to filter internal users’ access to the Internet and has IP address filtering so you can specify exactly who can connect to your network. Configuration is a snap with the web browser-based configuration utility.

As the heart of your small office network, the connection-redundant Cisco® RV082 Dual WAN VPN Router gives you the connection reliability your business needs.

## Features

- SPI firewall for maximum security
- Two dedicated WAN ports for load-balanced connectivity to the Internet
- 8-port 10/100 switch supports automatic medium dependent interface (MDI) and MDI crossover (MDI-X) and up to 200 Mbps of throughput per port
- IP filtering allows for restricted access to the Internet and other network resources
- Full IPsec VPN capability using Data Encryption Standard (DES) and Triple DES (3DES) encryption algorithms
- Support for MD5 and SHA authentication algorithms
- Allows up to 100 simultaneous IPsec VPN tunnels
- Management via web, Simple Network Management Protocol (SNMP), and setup wizards for easy setup by administrators
- Bandwidth management capabilities for improved quality of service (QoS)
- Supports up to 50 QuickVPN users

## Specifications

Table 1 contains the specifications, package contents, and minimum requirements for the Cisco RV082 Dual WAN VPN Router.

**Table 1.** Specifications for the Cisco RV082 Dual WAN VPN Router

Specifications	
<b>Standards</b>	IEEE 802.3, 802.3u
<b>Ports</b>	Eight 10/100 RJ-45 ports, one 10/100 RJ-45 Internet port, one 10/100 RJ-45 DMZ/Internet port
<b>Buttons</b>	Reset
<b>Cabling Type</b>	Category 5 Ethernet
<b>LEDs</b>	System, Internet, DMZ/Internet, DMZ Mode, Diag, 1 through 8
<b>Universal Plug and Play (UPnP) able/certified</b>	Certified
<b>Security features</b>	SPI firewall, DES, 3DES, and Advanced Encryption Standard (AES) encryption for IPsec VPN tunnel
<b>Operating system</b>	Linux
Performance	
<b>NAT throughput</b>	200 Mbps
<b>IPsec throughput</b>	97 Mbps
Security	
<b>Firewall</b>	SPI firewall
<b>Denial-of-service (DoS) prevention</b>	Blocks various DoS attacks
<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>URL filtering</b>	Static list by domain or keywords (included), dynamic filtering through Cisco ProtectLink Web security service (optional)

<b>Network</b>	
<b>Dual WANs</b>	Can be configured for Smartlink backup or load balancing
<b>WAN type</b>	DHCP, static IP, Point-to-Point Protocol over Ethernet (PPPoE), Point-to-Point Tunneling Protocol (PPTP), Telstra BigPond, Dynamic DNS
<b>Protocol binding</b>	Protocols can be bound to a particular WAN port under load balancing
<b>DHCP</b>	DHCP server, DHCP client, DHCP relay
<b>DNS</b>	DNS proxy, Dynamic DNS (DynDNS, 3322, PeanutHull)
<b>NAT</b>	Many-to-one, one-to-one
<b>Network edge (DMZ)</b>	DMZ port, DMZ host
<b>Routing static and Routing Information Protocol (RIP)</b>	Static and RIP versions 1 and 2
<b>QoS</b>	
<b>Port-based QoS</b>	Configurable per LAN 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 the 3 priority levels
<b>VPN</b>	
<b>IPsec</b>	100 IPsec tunnels for branch office connectivity
<b>QuickVPN</b>	50 QuickVPN users for remote client access
<b>PPTP</b>	Built-in PPTP server supporting 5 PPTP clients
<b>Encryption</b>	DES, 3DES, AES-128, AES-192, AES-256
<b>Authentication</b>	MD5, SHA1
<b>Internet Key Exchange (IKE)</b>	Supports IKE
<b>IPSec NAT Traversal (NAT-T)</b>	Supported for gateway-to-gateway and client-to-gateway tunnels
<b>Advanced options</b>	Dead peer detection (DPD), split DNS, VPN backup
<b>VPN pass-through</b>	PPTP, L2TP, IPsec
<b>Management</b>	
<b>Web-based</b>	HTTPS, SSL
<b>SNMP</b>	Supports SNMP versions 1 and 2c
<b>Log/monitoring</b>	Syslog, email alert, VPN tunnels status monitor
<b>Environmental</b>	
<b>Dimensions W x H x D</b>	11 x 1.75 x 9.50 in. (279.4 x 44.45 x 241.3 mm)
<b>Weight</b>	3.25 lb (1.475 kg)
<b>Power</b>	AC 100–240V, 50–60 Hz
<b>Certification</b>	FCC Class B, CE Class B
<b>Operating temperature</b>	32° to 104°F (0° to 40°C)
<b>Storage temperature</b>	32° to 158°F (0° to 70°C)
<b>Operating humidity</b>	10% to 85%, noncondensing
<b>Storage humidity</b>	5% to 90%, noncondensing
<b>Package Contents</b>	
<ul style="list-style-type: none"> <li>• Cisco RV082 Dual WAN VPN Router</li> <li>• AC power cable</li> <li>• Setup CD with user guide in PDF format and QuickVPN client software</li> <li>• Registration card</li> <li>• Rack-mounting kit</li> </ul>	

**Minimum Requirements**

- Broadband connection for Internet connection sharing
- Network adapter with Ethernet network cable and TCP/IP installed per PC •
- Web-based configuration: Java/cookies/SSL-enabled web browser

**Product Warranty**

3-year limited hardware warranty with return to factory replacement and 90-day limited software warranty.

**Cisco Limited Warranty for Cisco Small Business Series Products**

This Cisco Small Business product comes with a 3-year limited hardware warranty with return to factory replacement and a 90-day limited software warranty. In addition, Cisco offers software application updates for bug fixes and telephone technical support at no charge for the first 12 months following the date of purchase. To download software updates, go to:

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