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	
Standards	IEEE 802.3, 802.3u
Ports	Eight 10/100 RJ-45 ports, one 10/100 RJ-45 Internet port, one 10/100 RJ-45 DMZ/Internet port
Buttons	Reset
Cabling Type	Category 5 Ethernet
LEDs	System, Internet, DMZ/Internet, DMZ Mode, Diag, 1 through 8
Universal Plug and Play (UPnP) able/certified	Certified
Security features	SPI firewall, DES, 3DES, and Advanced Encryption Standard (AES) encryption for IPSec VPN tunnel
Operating system	Linux
Performance	
NAT throughput	200 Mbps
IPsec throughput	97 Mbps
Security	
Firewall	SPI firewall
Denial-of-service (DoS) prevention	Blocks various DoS attacks
Access rules	Up to 50 entries
Port forwarding	Up to 30 entries
Port triggering	Up to 30 entries
URL filtering	Static list by domain or keywords (included), dynamic filtering through Cisco ProtectLink Web security service (optional)

Network	
Dual WANs	Can be configured for Smartlink backup or load balancing
WAN type	DHCP, static IP, Point-to-Point Protocol over Ethernet (PPPoE), Point-to-Point Tunneling Protocol (PPTP), Telstra BigPond, Dynamic DNS
Protocol binding	Protocols can be bound to a particular WAN port under load balancing
DHCP	DHCP server, DHCP client, DHCP relay
DNS	DNS proxy, Dynamic DNS (DynDNS, 3322, PeanutHull)
NAT	Many-to-one, one-to-one
Network edge (DMZ)	DMZ port, DMZ host
Routing static and Routing Information Protocol (RIP)	Static and RIP versions 1 and 2
QoS	
Port-based QoS	Configurable per LAN 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 the 3 priority levels
VPN	
IPsec	100 IPsec tunnels for branch office connectivity
QuickVPN	50 QuickVPN users for remote client access
PPTP	Built-in PPTP server supporting 5 PPTP clients
Encryption	DES, 3DES, AES-128, AES-192, AES-256
Authentication	MD5, SHA1
Internet Key Exchange (IKE)	Supports IKE
IPSec NAT Traversal (NAT-T)	Supported for gateway-to-gateway and client-to-gateway tunnels
Advanced options	Dead peer detection (DPD), split DNS, VPN backup
VPN pass-through	PPTP, L2TP, IPsec
Management	
Web-based	HTTPS, SSL
SNMP	Supports SNMP versions 1 and 2c
Log/monitoring	Syslog, email alert, VPN tunnels status monitor
Environmental	
Dimensions W x H x D	11 x 1.75 x 9.50 in. (279.4 x 44.45 x 241.3 mm)
Weight	3.25 lb (1.475 kg)
Power	AC 100~240V, 50~60 Hz
Certification	FCC Class B, CE Class B
Operating temperature	32° to 104°F (0° to 40°C)
Storage temperature	32° to 158°F (0° to 70°C)
Operating humidity	10% to 85%, noncondensing
Storage humidity	5% to 90%, noncondensing
Package Contents	

- Cisco RV082 Dual WAN VPN Router
- AC power cable
- Setup CD with user guide in PDF format and QuickVPN client software
- Registration card
- Rack-mounting kit

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: http://www.cisco.com/go/smallbiz.

Product warranty terms and other information applicable to Cisco products are available at http://www.cisco.com/go/warranty.

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