

# Cisco RV340, RV345, and RV345P Dual WAN Gigabit VPN Routers

Today, secure networking is imperative for every small business. The Cisco® RV340, RV345, and RV345P security routers provide business users with high-speed access, Internet security, firewall protection, and application policies for ultimate business efficiency (Figures 1 and 2).

**Figure 1.** Cisco RV340 Dual WAN Gigabit VPN Router



**Figure 2.** Cisco RV345 and RV345P Dual WAN Gigabit VPN Routers



## Product Overview

Small businesses are constantly exposed to Internet threats. The Cisco RV340, RV345, and RV345P Dual WAN Gigabit VPN Routers connect small businesses to the Internet and protect employees from unwanted content and malicious websites without compromising the online experience. The routers help boost employee productivity and overall network performance by limiting Internet surfing to appropriate site categories and eliminating unwanted network traffic. Users are automatically protected from malicious or compromised websites, regardless of site categorization. End devices and applications can be identified and treated according to user-defined policies for improved productivity and optimal network usage.

With an intuitive user interface, the RV340, RV345, and RV345P enable you to be up and running in minutes. These routers provide reliable, highly secure connectivity that is so transparent you will not know it is there.

## Features and Benefits

- 2 WAN ports (RJ-45) allow load balancing and resiliency
- 4 LAN ports (RV340) provide high-performance connectivity
- 16 LAN ports (RV345) allow for a small device footprint with sufficient ports
- 16 LAN ports (8 data and 8 Power over Ethernet [PoE]) (RV345P) power connected devices, such as access points and IP phones
- Up to 30W per port; can power 802.11ac Wave 2 access points
- 2 USB ports support a 3G/4G modem or flash drive
- Flexible VPN functionality for secure interconnectivity
- Support for Cisco AnyConnect® Secure Mobility Client, ideal for remote access by mobile devices
- Dynamic web filtering enables business efficiency and security while connecting to the Internet
- Client and application identification allow Internet access policies for end devices and Internet applications to help ensure performance and security

The Cisco RV340, RV345, and RV345P Dual Gigabit WAN VPN Routers are the choice for any small business network that requires performance, security, and reliability.

## Specifications

Table 1 lists the specifications for the Cisco RV340, RV345, and RV345P.

**Table 1.** Specifications

Description	Specification
<b>Ports</b>	
<b>Ethernet WAN</b>	2 RJ-45 Gigabit Ethernet
<b>Ethernet LAN</b>	4 RJ-45 Gigabit Ethernet (RV340) 16 RJ-45 Gigabit Ethernet (RV345) 16 RJ-45 Gigabit Ethernet (LAN 1, 2, 3, 4 and LAN 9, 10, 11, 12 are PoE) PoE 802.3at, max 30W per port up to 120W total (RV345P)
<b>Console</b>	1 RJ-45 for future use
<b>USB</b>	2 for external 3G/4G dongle or flash drive
<b>Security</b>	
<b>Firewall</b>	Stateful packet inspection, 900-Mbps throughput for TCP, User Datagram Protocol (UDP) traffic
<b>Web security and app visibility (licensed feature)</b>	Dynamic web filtering: Cloud based, more than 80 categories, more than 450 million domains classified
	Application identification: Assign policies to Internet applications
	Endpoint identification: Assign policies based on end device category and operating system
<b>VPN</b>	
<b>IP Security (IPsec)</b>	Yes (50 connections, 650 Mbps throughput)
<b>IPsec site-to-site</b>	Preconfigured profiles for Amazon Virtual Cloud and Microsoft Azure
<b>Layer 2 Tunneling Protocol (L2TP) (over IPsec)</b>	Remote access via L2TP (over IPsec for MS Windows)
<b>IPsec remote access</b>	Remote access from standard IPsec client and Cisco IPsec VPN (for example, Mac OS, Apple iOS clients)
<b>Cisco SSL VPN (Cisco AnyConnect)</b>	Ideal for mobile devices. Remote access from Cisco AnyConnect Secure Mobility Client. Max 50 connections (2 sessions included, can be upgraded to 50 sessions). Cisco AnyConnect client sold separately

Description	Specification
<b>Generic routing encapsulation (GRE) over IPsec</b>	Yes
<b>Teleworker mode (Cisco IPsec VPN)</b>	Router acts as a client to connect to central VPN gateway in teleworker mode
<b>Point-to-Point Tunneling Protocol (PPTP)</b>	Yes (25 connections, 100-Mbps throughput)
<b>VPN pass-through</b>	IPsec, PPTP, L2TP
<b>Management</b>	
<b>Management protocols</b>	Web browser (HTTP/HTTPS) Simple Network Management Protocol (SNMP) v1, v2c, and v3
<b>Firmware upgradability</b>	From local PC, from USB stick, or from Cisco.com via web browser Automatic firmware upgrade possible
<b>LAN</b>	
<b>VLAN</b>	Yes (32)
<b>Port security</b>	Yes, 802.1X
<b>Quality of service (QoS)</b>	Yes
<b>IPv6</b>	Dual Stack, 6rd, 6in4
<b>WAN</b>	Dynamic Host Configuration Protocol (DHCP) client, static IP, Point-to-Point Protocol over Ethernet (PPPoE), PPTP, L2TP, transparent bridge
<b>Routing</b>	Routing Information Protocol (RIP) v1 and v2, and RIP for IPv6 (RIPng) Inter-VLAN routing Static routing, IGMP proxy
<b>Network Address Translation (NAT)</b>	Port forwarding Port Address Translation (PAT) One-to-one NAT VPN NAT traversal Session Initiation Protocol (SIP) Application Level Gateway (ALG), FTP ALG
<b>Changelp.com, DynDNS.com, No-IP.com</b>	Changelp.com, DynDNS.com, No-IP.com
<b>Dual Stack, Dual Stack Lite, 6in4</b>	Dual Stack, Dual Stack Lite, 6in4
<b>Hardware DMZ (network edge)</b>	Yes (when enabled, one LAN port will be DMZ port)
<b>DMZ host</b>	Yes
<b>System memory</b>	Flash 256 MB; RAM 1 GB

## Dimensions

<b>RV340</b>	280 x 44 x 170 mm (11 x 1.75 x 6.75 in)
<b>RV345</b>	280 x 44 x 170 mm (11 x 1.75 x 6.75 in)
<b>RV345P</b>	280 x 44 x 170 mm (11 x 1.75 x 6.75 in)
<b>Pack dimensions</b>	
<b>RV340</b>	448 x 293 x 80 mm (17.64 x 11.54 x 3.15 in)
<b>RV345</b>	448 x 293 x 80 mm (17.64 x 11.54 x 3.15 in)
<b>RV345P</b>	550 x 300 x 95 mm (21.65 x 11.81 x 3.74)
<b>Product weight</b>	
<b>RV340</b>	960 g (2.1 lb)
<b>RV345</b>	1140 g (2.5 lb)
<b>RV345P</b>	1180 g (2.6 lb)

Packing weight	
RV340	2210 g (4.9 lb)
RV345	2390 g (5.3 lb)
RV345P	3200 g (7.1 lb)
Rack mountable	Yes
Included accessories	Rack mounting kit, power supply, power cord, Ethernet cable
Power supply	AC: 100-240V/1      ADC: 12V/2.5A AC: 100-240V/ 2A      DC: 54V/2.78A
Max power consumption	
Certification	RV340: FCC Class B; RV345 and RV345P: FCC Class A, 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

## Ordering Information

Table 2 provides ordering information for the RV340, RV345, and RV345P.

**Table 2.** Ordering Information

Type	Model/Product ID	Description
4 LAN ports	RV340	2 WAN, 4 LAN, 3G/4G USB support
16 LAN ports	RV345	2 WAN, 16 LAN, 3G/4G USB support
16 LAN ports with PoE	RV345P	2 WAN, 8 LAN + 8 PoE LAN, 3G/4G USB support
Security license	LS-RV34X-SEC-1YR=	RV Security 1 year
AnyConnect Server license	LS-RV-ACS-25-1YR=	RV AnyConnect Server upgrade to 25 tunnels 1 year
Regional SKU	RV340-K9-NA RV345-K9-NA RV345P-K9-NA	USA, Canada, Mexico, and the rest of LATAM
Regional SKU	RV340-K9-G5 RV345-K9-G5 RV345P-K9-G5	EU, Vietnam, Ukraine, Saudi Arabia, UAE, Egypt, Qatar, Kuwait, Israel, Hong Kong, Indonesia, Malaysia, Philippines, Singapore, Thailand, South Africa
Regional SKU	RV340-K9-AU RV345-K9-AU RV345P-K9-AU	Australia, New Zealand
Regional SKU	RV340-K9-CN RV345-K9-CN RV345P-K9-CN	China
Regional SKU	RV340-K9-IN RV345-K9-IN RV345P-K9-IN	India

Type	Model/Product ID	Description
Regional SKU	RV340-K9-AR RV345-K9-AR RV345P-K9-AR	Argentina
Regional SKU	RV340-K9-BR RV345-K9-BR RV345P-K9-BR	Brazil
Regional SKU	RV340-K8-RU RV345-K8-RU RV345P-K8-RU	Russia



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