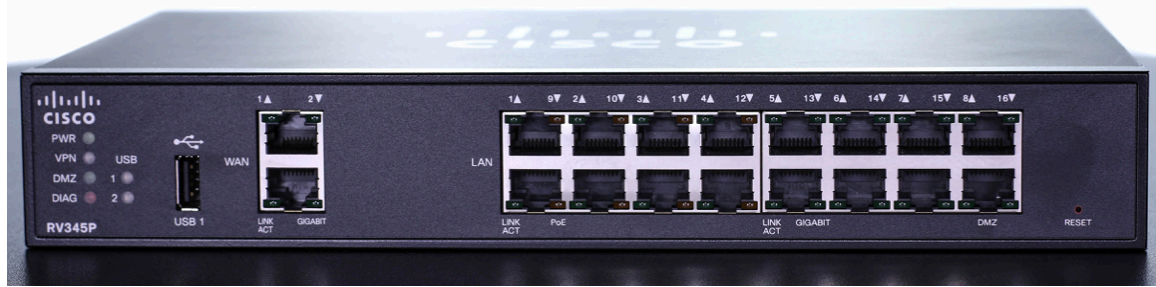# Product Specifications of the RV345P Dual WAN Gigabit VPN Router with PoE

Introduction

The RV345P Dual WAN Gigabit VPN Router with PoE, part of the RV34x Series, is an easy-to-use, flexible, high-performance, and durable router that well suited for small businesses. Now with several added security features such as Web Filtering, Application Control, and IP Source Guard, the new RV345P deliver highly secure, broadband, wired connectivity to small offices and remote employees. These new security features also provide the ease of fine-tuning permitted activity on the network.

The RV345P also comes with eight Power over Ethernet (PoE) ports that are ideal for devices such as Wireless Access Points and IP Phones.

This article aims to provide product specifications about the RV345P Dual WAN VPN Router with PoE.

Note: To know more about the RV345P Dual WAN Gigabit VPN Router with PoE, click here.

Product Specifications

Specifications	Description
Standards	IEEE, 802.3, 802.3u, 802.1D, 802.1p, 802.1X (security authentication), 802.1Q (VLAN), IPv4 (RFC 791), IPv6 (RFC 2460), Routing Information Protocol (RIP) v1 (RFC 1058), RIP v2 (RFC 1723) 802.3af (PoE)
Operating System	Linux
Cabling Type	Category 5e or better
Ports	16 LAN (8 Data, 8 Power over Ethernet (PoE), WAN, USB, Console

Physical Interfaces

Specifications	Description
Ports	16 10/100/1000 Ethernet, with support for 802.3af -8 Data Ports -8 PoE 1 Console port 12V DC 2.5 A power adapter port 2 WAN 2 USB ports
Buttons	Reset button
Switch	Power switch

Lock Slot	Slot for Kensington lock
Mounting and Physical Security	
Mounting Options	2 rack-mount brackets are provided including 8 screws.
Physical Specifications	
Physical dimensions (W x D x H)	280 x 44 x 170 mm (11 x 1.75 x 6.75 in)
Weight	1.2 kgs (2.65 lbs)

Network Capabilities

Specifications	Specifications
Virtual Local Area Network (VLAN)Support	Yes
Network Protocols	Dynamic Host Configuration Protocol (DHCP) server Point-to-Point Protocol over Ethernet (PPPoE) Point-to-Point Tunneling Protocol (PPTP) DNS proxy Internet Group Management Protocol (IGMP) proxy and multicast forwarding Dynamic Domain Name System (DynDNS), No Internet Protocol (NOIP) Network Address Translation (NAT), Port Address Translation (PAT) One-to-one NAT Port management Port mirroring Bonjour
Number of VLANs	Up to 32 VLANs
Routing Protocols	Static routing Dynamic routing RIP v1 and v2 Inter-VLAN Routing
Network Address Translation (NAT)	Port Address Translation (PAT), Network Address Port Translation (NAPT) protocol
Network edge (DMZ)	Software-configurable to any LAN IP address
Spanning tree	Yes
Load balancing	Yes
Quality of Service (QoS)	Wide Area Network (WAN) Queuing 3 queues Differentiated Services Code Point Support (DSCP) Class of Service (CoS) Bandwidth Management for service prioritization
IPv6	Dual-stack IPv4 and IPv6 6 to 4 tunneling Stateless address auto-configuration DHCPv6 Server for IPv6 Clients on LAN DHCPv6 client for WAN connectivity Internet Control Message Protocol (ICMP) v6 Static IPv6 Routing Dynamic IPv6 Routing with RIPng IPv6 host support IPv6 RADIUS Network Time Protocol (NTP)
Layer 2	802.1Q-based VLANs, 32 active VLANs plus one management VLAN

Security

Specifications	Description
Access control	Yes, management access control list (ACL) plus MAC ACL
Secure management	Hyper Text Transfer Protocol Secured (HTTPS), username/password complexity
Firewall	Stateful Packet Inspection (SPI) firewall, port forwarding and triggering, Denial-of-Service (DoS) prevention, software-based DMZ DoS attacks prevented: • SYN Flood • Echo Storm • ICMP Flood • UDP Flood • TCP Flood

	Blocks Java, cookies, active-X, HTTP proxy
Web Filter	Filters malicious and blocks harmful websites
Content Filter	Static URL blocking or keyword blocking
Application Control	Yes
IP Source Guard	Bind IP addresses to MAC addresses
VPN	
IPSec	Yes; 50 tunnels maximum, pre-configured profiles for Amazon Virtual Cloud and Microsoft Azure
Client-to-Site	Yes
Teleworker VPN Client	Yes
PPTP VPN	Yes; 25 maximum tunnels
L2TP Server	Yes; 25 maximum tunnels
SSL VPN	Yes; 50 maximum tunnels
VPN throughput (IPSec)	50 Mbps

Configuration

Specifications	Description
Web-based utility	Simple, browser-based configuration (HTTP, HTTPS)
Command-line interface (CLI)	Command line using Secure Shell (SSH)
Management protocols	Web browser, Simple Network Management Protocol (SNMP) v3, Bonjour, Universal Plug and Play (UPnP)
Remote management	Yes
Event logging	Local, remote syslog, email alerts
Network diagnostics	Logging, Ping, Traceroute, DNS lookup, and Port Mirror
Web firmware upgrade	Firmware upgradable through web browser, imported and exported configuration file
Dynamic Host Configuration Protocol (DHCP)	DHCP Client
Pv6 host	Yes
HTTP redirect	Yes
System time	Supports Network Time Protocol (NTP), daylight savings manual entry
Languages	Graphic User Interface (GUI) support English

Environmental

Specifications	Description
Power	12V 2.5 A
Certifications	FCC, CE, IC, Wi-Fi
Operating temperature	0° to 40°C (32° to 104°F)
Storage temperature	-20° to 70°C (-4° to 158°F)
Operating humidity	10% to 85% non-condensing