Product Specifications for the RV132W ADSL2+ Wireless-N VPN Router

Objective

The Cisco RV132W ADSL2+ Wireless-N VPN Router offers great performance and is easy to set up, deploy, and use. This device can be used to connect to a regular Ethernet Wide Area Network (WAN) interface or to an Asymmetrical Digital Subscriber Line 2 plus (ADSL2+) interface. It also supports Cisco FindIT Network Management, which allows you to manage supported Cisco devices, such as Cisco switches, routers, and wireless access points. To learn more about Cisco FindIT Network Management, click here. The RV132W is suited for small office home office (SOHO) and smaller deployments with Virtual Private Network (VPN) capabilities.

This article aims to show the product specifications of the RV132W ADSL2+ Wireless-N VPN Router.

Note: To learn more about the RV132W Wireless-N VPN Router, click here.

Product Specifications

Standards	IEEE 802.11n, 802.11g, 802.11b, 802.3, 802.3u, 802.1D, 802.1p, 802.1w (Rapid Spanning Tree), 802.1X (security authentication), 802.1Q (VLAN), 802.11i (Wi-Fi Protected Access [WPA2] security), 802.11e (wireless QoS), IPv4 (RFC 791), IPv6 (RFC 2460), Routing Information Protocol (RIP) v1 (RFC 1058), RIP v2 (RFC 1723)

Physical Interfaces
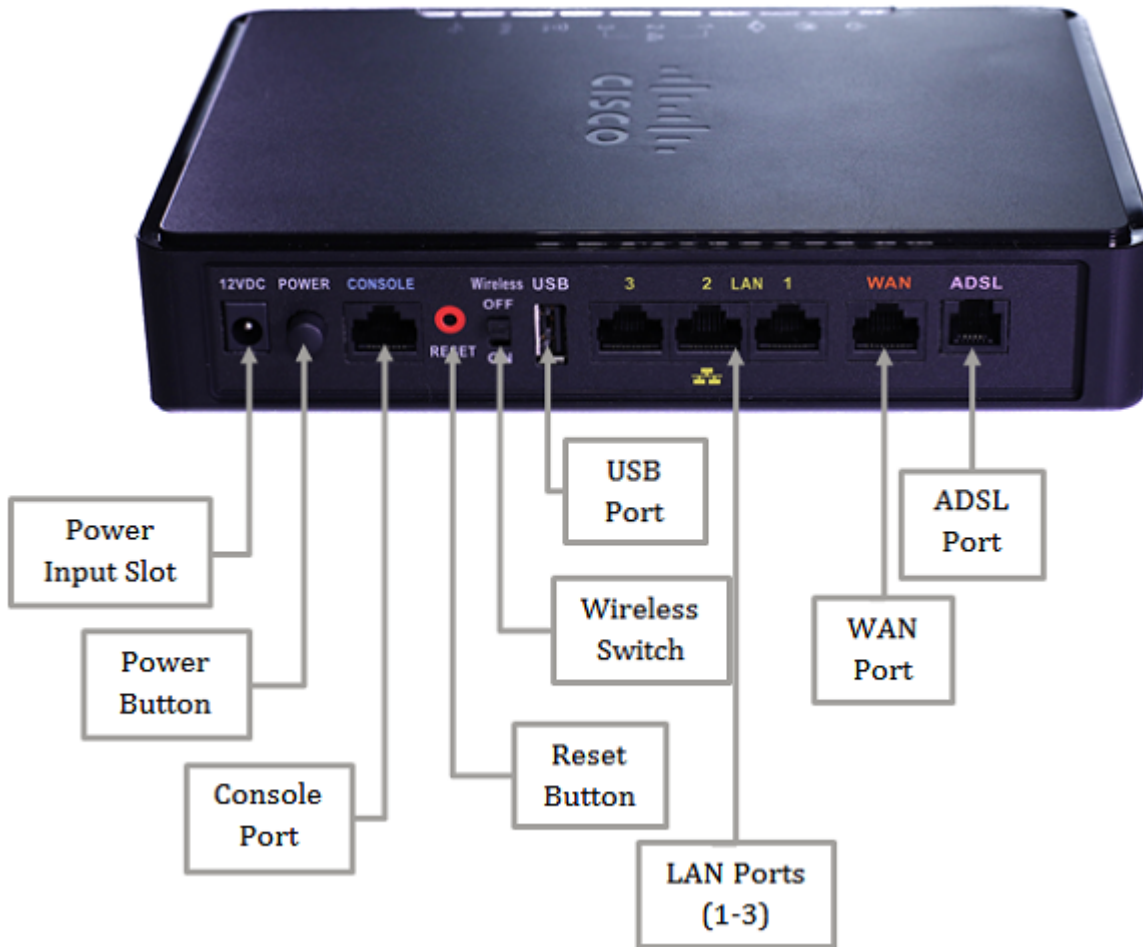
Ports	LAN, WAN, USB, console
Switch	Power button (on, off)
Buttons	Reset, Wi-Fi (on, off)
Cabling type	Category 5e or better
LEDs	Power, DSL or WAN, Internet, LAN (ports 1-3), wireless, VPN, USB
Operating system	Linux

Network Capabilities

Network protocols	Dynamic Host Configuration Protocol (DHCP) server
	Point-to-Point Protocol over Ethernet (PPPoE)
	Point-to-Point Tunneling Protocol (PPTP)
	DNS proxy
	DHCP relay agent
	Internet Group Management Protocol (IGMP) proxy and multicast forwarding
	Rapid Spanning Tree Protocol (RSTP)
	Dynamic Domain Name System (DynDNS, NOIP)
	Network Address Translation (NAT), Port Address

	Translation (PAT)
	One-to-one NAT
	Port management
	Port mirroring
	Software configurable DMZ to any LAN IP address
	Session Initiation Protocol (SIP) Application Layer Gateways (ALG)
LAN	3 10/100 Mbps LAN ports with a managed switch
WAN	1 10/100 Mbps FE WAN port
WAN	1 ADSL2+
WLAN	Built-in high-speed 802.11n wireless access point
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
VLAN support	Port-based and 802.1Q tag-based VLANs
Number of VLANs	6 active VLANs (2-4094 range)
IPv6	Dual-stack IPv4 and IPv6 6rd Stateless address auto-configuration DHCPv6 server for IPv6 Clients on a LAN DHCPv6 client for WAN connectivity Internet Control Message Protocol (ICMP) v6 Static IPv6 routing Dynamic IPv6 routing with RIPng
Network edge (DMZ)	Software-configurable to any LAN IP address
Layer 2	802.1Q-based VLANs, 6 active VLANs

Security

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 Block Java, cookies, active-X, HTTP proxy
Access control	IP access control lists; MAC-based wireless access control
Content filtering	Static URL blocking or keyword blocking
Secure management	HTTPS, username and password complexity
Wi-Fi Protected	WPS

Setup (WPS)	
User privileges	2 levels of access: admin and guest
QoS	802.1p port-based priority on LAN ports, application-based priority on WAN ports 4 queues Differentiated Services Code Point (DSCP) support Class of Service (CoS) Bandwidth management for service prioritization

Performance

NAT throughput	75 Mbps (Ethernet WAN)
Concurrent sessions	2000
IPsec VPN throughput (3DES, AES)	3 Mbps

Configuration

Web user interface	Simple, browser-based configuration (HTTP, HTTPS)
Command-line interface (CLI)	Command line using SSH
Management	
Web user interface	Simple, browser-based configuration (HTTP, HTTPS)
CLI	Command line using SSH
Management protocols	Web browser, Bonjour, Universal Plug and Play (UPnP)
Event logging	Local, syslog, email alerts
Network diagnostics	Ping, Traceroute, DNS lookup, and port mirror
Upgradability	Firmware-upgradable through a web browser, imported or exported configuration file
System time	Supports NTP, daylight savings, manual entry
Languages	GUI supports English

Wireless

Radio and modulation type	802.11b: direct sequence spread spectrum (DSSS), 802.11g: orthogonal frequency division multiplexing (OFDM), 802.11n: OFDM
WLAN	2.4 GHz IEEE 802.11n standard-based access point with 802.11b/g compatibility
Operating channels	11 North America, 13 most of Europe, auto-channels selection
Wireless isolation	Wireless isolation between clients
Internal antennas	2

Antenna gain in dBi	3 dBi
Transmit power	802.11b: 17 dBm +/- 2.5 dBm; 802.11g: 15 dBm +/- 2.5 dBm; 802.11n: 15 dBm +/- 2.5 dBm
Receiver sensitivity	-85 dBm at 11 Mbps, -73 dBm at 54 Mbps, -68 dBm at mcs15, HT20, -65 dBm at mcs15, HT40
Radio frequency	Single-band, works on 2.4 GHz
Active WLAN clients	Supports up to 50 concurrent clients
Multiple SSIDs	Supports multiple Service Set Identifiers (SSIDs), up to 4 separate virtual networks
Wireless VLAN map	Supports SSID to VLAN mapping with wireless client isolation
WLAN security	Wired Equivalent Privacy (WEP), WPA, WPA2-PSK, WPA2-ENT, 802.11i
Wi-Fi Multimedia (WMM)	WMM, WMM power save (WMM-PS)

Environmental

Power	12V 1A
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