

## Technical Specifications

Specifications may change without notice

### HARDWARE SPECIFICATIONS

Interface	WAN	x1 10/100/1000M
	LAN	x4 10/100/1000M
	Antenna	x2 2dBi
CPU	MIPS24K-RT3050	
Clock	320MHz	
Memory	32MB	
Flash	8MB	
WAN Protocol	DHCP, Static IP and PPPoE	
	PPTP/L2TP Client	
	WISP(WiFi as WAN)	

### WIRELESS SPECIFICATIONS

Frequency Band	2.400~2.484 GHz	
Modulation Technology	OFDM: BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK, CCK	
Operation Channels	USA (FCC) 11 Channels: 2.412GHz ~ 2.462GHz	
	Europe (ETSI) 13 Channels: 2.412GHz ~ 2.472GHz	
	Japan 14 channels: 2.412GHz ~ 2.484GHz	
Wireless Mode	11n/11b/11g	
Transmission Rate	11n	up to 150 Mbps (20MHz) up to 300 Mbps (40MHz)
	11g	up to 54 Mbps with automatic fallback to 48, 36, 24, 18, 12, 9, and 6 Mbps
	11b	up to 11 Mbps with automatic fallback to 5.5, 2, and 1 Mbps
Receive Sensitivity	11b	11Mbps (-91 dBm)
	11g	54 Mbps (-76 dBm)
	11n	135Mbps (-74 dBm)
Output Power	11b	16dbm+-1dbm
	11g	4dbm+-dbm
	11n	13dbm+1dbm

### DIMENSIONS

157 (L) x 110 (W) x 15 (H)mm

### ENVIRONMENTAL

	Temperature	Humidity
Operating	0-50°C	5%-98%(non-condensing)
Storage	-10-65°C	5%-98%(non-condensing)

### POWER SUPPLY

Operating Voltage DC +5V / 1.2A

### ORDERING INFORMATION

VR-116NX b/g/n Wireless Gigabit VPN Router



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### SOFTWARE FEATURES

VPN Server	Windows 7/ XP SP2/ Vista/ Mac OS X compatible	
	PPTP VPN tunnels: 10	
	PPTP (MPPE 128-bit encryption)	
	PPTP MS-CHAP v2	
	IPsec VPN tunnels: 25	
	IPsec site-to-site mode	
	IPsec AES/ 3DES / DES encryption	
	IPsec SHA1 / MD5 authentication	
	IPsec IKE pre-shared key	
	IPsec dead peer detection (DPD)	
VPN NAT	IPsec IKE keepalive	
	IPsec Aggressive Mode	
	VPN Connection Status	
	VPN NAT VPN pass-through (PPTP and IPsec NAT-T)	
	Bandwidth Management	Upload rate limiting by IP/Protocol/Port
		Upload rate limiting by pre-defined group
	Routing	L3/L4 IP/port policy-based routing
		Static routing(LAN and WAN)
	Network Features	DHCP client/relay/cache/proxy server
		MAC address cloning
Dynamic DNS (DynDNS, TZO, ZoneEdit, NO-IP, etc.)		
UPnP		
Port forward/trigger		
NTP (Network Time Protocol)		
STP (Spanning Tree Protocol)		
URL filtering		
IPv6 stateful/stateless		
IGMP v1/v2 pass through		
Firewall	SPI (Stateful Packet Inspection) firewall	
	Anti-DoS and Anti-spoofing protection	
	L2 / L3 / L4 ACL filtering	
	Static DHCP and static ARP IP-MAC binding	
	DMZ and port forwarding (virtual server)	
Wireless	Low Power Build-in RF module (SoC Chip)	
	WDS (Wireless Distribution System)	
	WPA, WPA2, WPA-PSK, WPA2-PSK, WEP 64 /128-bit	
	Universal repeater	
	Wireless LAN isolation	
	802.1X authentication	
System Management	Multiple SSID and hidden SSID broadcasting: 4	
	Web-based management	
	Configuration backup and restore	
	Firmware upgrade and downgrade	
	Multiple language support	
System Utility	System Log	
	Ping	
	ARPing	