

BRC-14VG 4-Port VPN (Virtual Private Network) Broadband Router



Feature

The BRC-14VG utilizes Intel (R) IXP network processor and achieves a high-speed WAN to LAN throughput that approaches 100Mbps. In addition to basic functions of a broadband router, the product supports UPnP (Universal Plug and Play) and PPPoE Multi Session. Furthermore, the VPN router provides robust security functions including packet filtering (with various user-definable parameters), SPI and unauthorized access detection.

■ Serves as NAS with additional hard disks

The VPN router is equipped with two USB 2.0 ports, and supports NAS (Network Attached Storage). The product serves as a network storage when a USB hard disk is attached to it, and files in the hard disk can be shared throughout the network via the router. The product also supports USB flash memory.

■ On-board IXP network processor

The product is equipped with Intel (R) IXP network processor which achieves unmatched processing speed and low power consumption. The VPN router also provides various functions to support the innovative aspect of the eXgate series products.

■ Built-in 4-port Switch automatically detects cable type

The router's internal 4-port Switch with 10/100Base auto-detection function serves as an interface to network devices on the LAN side. Since the on-board switch supports Auto-MDI/MDI-X that enables automatic straight/crossover cable type detection, you can attach PC's or cascade hubs to the switch without worrying about the type of the cable you are using.

■ WWW-based configuration

Operation settings of the VPN router can be configured via a standard Web browser. Even beginners can easily configure the device settings via its graphical user-friendly configuration screen.

■ Achieves high-speed throughput approaching 100Mbps

As the VPN router utilizes Intel (R) IXP network processor to achieve a wired throughput of 100Mbps (SmartBits) and FTP effective throughput of 94Mbps, it allows you to take full advantage of FTTH and other broadband services. * The throughput above is based on the values measured at our testing environment.

■ Hardware-based fast VPN access

The VPN router encrypts packets via its VPN gateway. This feature retains data privacy and enables secure communication

even when a public data line such as the Internet is used to exchange data between LAN's belonging to separate segments. Its on-board IXP422 network processor enables hardware-based encryption process to achieve a best-in-class IPsec (3DES) throughput approaching approximately 45Mbps. *The IPsec (3DES) throughput above is a value measured at our testing environment. *The BRC-W14VG implements the VPN gateway function, however, connectivity with all of the VPN devices is not guaranteed. For setting and other details on VPN, please contact the network administrator or the network designer.

■ Real-time image distribution made easy via a Web camera

Images captured by an option USB camera (*1) can be distributed real-time through the Internet. This feature allows you to monitor your child or pet easily. Furthermore, you can view the posted images even when you are away from home since the images are accessible via PC's as well as cellular phones. *1 Web camera dedicated for Planex products: "BRC-EE260"

*2 Requires a cellular phone supporting JPEG browser (i-mode)

■ Supports UPnP (Universal Plug and Play)

The product's UPnP (Universal Plug and Play) feature eases configuration tasks that are required to use network applications. The product supports various functions of Windows Messenger (a UPnP-ready application) .

■ IP unnumbered connection

The VPN router supports services that offer multiple global IP addresses. The product enables flexible network layout as a global IP can be directly assigned to a LAN side client/terminal.

■ Supports Dynamic DNS service

The VPN router supports Dynamic DNS account updating function. Once the user name, password and domain name (registered in your DNS service) are set to the product, it will automatically update the registration data. [Supported Dynamic DNS Services] *DynDNS.org <http://www.dyndns.org/>

■ Robust network security achieved via SPI (Stateful Packet Inspection) Firewall and unauthorized access detection function

As firewall features, the product is equipped with SPI and unauthorized access detection function. SPI (stateful packet inspection) estimates returning packets and verifies the consistency of packets to determine whether it should pass (or destroy) packets. Furthermore, the VPN router detects unauthorized access from the Internet (WAN) and terminates communication. Detected attacks can be recorded in a log and even be reported via e-mail.

■ Packet filtering with various user-configurable parameters

IP address, protocol, port number and direction (IN/OUT) of filtering rules are user-configurable. A highly secure network can be established with the product as this feature allows the VPN router to discard unauthorized packets and excess traffic (packets) and even selectively open ports for communication when establishing a publicly accessible server.

■ Supports network games, enables publicly accessible servers

The router's i)Virtual Computer (DMZ host) function for static IP masquerading and ii) Local Server (port forwarding) functions let you establish a publicly accessible server. and play network games that do not support NAT.

■ DHCP enabled

The product uses its DHCP Server/Client function to automatically 1)obtain an IP address from a DHCP server on the WAN side and 2)allocate an IP address to each PC client attached to its LAN ports.

■ PPPoE Multi Session (4 simultaneous connections/sessions)

This feature of the product enables clients to access two or more ISP's concurrently and even connect to an ISP while using

another ISP-based online content/service. PPPoE multi session enhances the convenience of your ISP connectivity as it eliminates the need to switch ISP's to establish a separate connection.

Firmware update via WWW browser screen

The system functions of the product are stored in its on-board flash memory. You can download the latest version of its firmware from our web site and then upgrade the existing firmware using a standard WWW browser.

Specification

Model Number	BRC-14VG	
CPU	IXP422-266MHz	
Standards Conformance	LAN side:IEEE802.3 10BASE-T,IEEE802.3u 100BASE-TX WAN side:IEEE802.3 10BASE-T,IEEE802.3u 100BASE-TX	
Data Transfer Rate	10/100Mbps (Auto-Negotiation)	
Network Port Configuration	WAN Port	10/100BASE-TX auto-negotiation port x 1 (RJ-45 connector) AutoMDI/MDI-X enabled
	LAN Ports	10/100BASE-TX auto-negotiation port x 4 (RJ-45 connector) AutoMDI/MDI-X enabled
USB Ports	USB2.0 (A connector) x 2 ports, supports NAS and web camera	
Supported WAN Lines	ADSL, FTTH, CATV, VDSL	
Network Cable	10BASE-T Category 3 (or greater) twisted-pair cable (100m) 100BASE-TX Category 5 (or greater) twisted-pair cable (100m)	
Supported Protocol	IP	
Address Translation	NAT/IP masquerading	
DHCP Server	Supports up to 253 addresses (LAN side only, can be disabled)	
DHCP Client	Acquires an IP address from ISP (WAN port only, can be disabled)	
PPPoE	Support	
IPv6	Support	
NAPT	2000 session supported	
Routing Protocols	Static Routing , Dynamic Routing , RIP v1,RIP v2	
Local Server	Forwards packet to specific PC's on the LAN based on TCP/UDP port	
Virtual Computer (DMZ)	Forwards packets from WAN to specific host on the LAN	

IP Unnumbered	Supported	
UPnP	Supported	
DynamicDNS	Supported (www.dyndns.org)	
VRRP	Support	
VPN Gateway	PPTP server PPTP client IPSec	
Packet Filtering	Parameters: Direction (IN/OUT), IP address, protocol, port number	
URL Filtering	Support	
Firewall	SPI (Stateful Packet Inspection), DoS , Security Log	
Multicast	IGMP	
SNMP	Support	
SNTp	Server configuration	
Log function	Send out Syslog to server , Security Log , System Log , Log mail	
System Diagnose	Diagnose tools (Ping function)	
File server	NetBIOS share	
Print server	Support USB print server function	
WEB server	Support (USB type Storage)	
WEB CAM server	Support BRC-EE260 USB WEB CAM	
Configuration Interface	Web browser	
LED Indicators	Power(1), Status(1), Link/Act(4), 10/ 100M (4), WAN(1), PPPoE(1)	
Maximum Power Consumption	8.3W max.	
Power	Input	AC adapter (AC100-120V, 50/60Hz)
	Output	AC adapter (DC5V , 2.4A)
Dimensions (WxHxD, main body only)	Approximately 30(W) x 200(H) x 150(D)mm	
Weight (main body only)	Approximately 504 g	
Operating Temperature	0 to 40 degrees Celsius	
Operating Humidity	35 to 80% (non-condensing)	
Supported OSes	Windows 98/98SE/Me/2000/XP PC equipped with an Ethernet(RJ-45) port	

	MacOS 8.x/9.x/X computer equipped with an Ethernet(RJ-45) port
Networking Equipment	This product requires the following networking equipment: A twisted-pair cable for each PC connected to the product)
EMI	VCCI Class B
Package Contents	BRC-14VG, AC adapter (supplied with a short cord), stand for vertical installation, UTP straight-through LAN cable (1m), user's manual, reference manual CD-ROM

* Note: Our Broadband router (build in printer server) and Printer server only support PCL language.

Product View

