



VRT-311S

VPN / Firewall Broadband Router

With the growth of the Internet, malicious attacks are happening every minute, and intruders are trying to access your network, using expensive resources and threatening enterprise network security.

PLANET Technology is now offering users a cost effective, worry-free solution --- the PLANET VRT-311S, a cost-effective, highly integrated VPN solution combining high-speed, industry-leading routing technology with a comprehensive suite of advanced, VPN Pass-through, client-to-VPN gateway, LAN-to-LAN VPN solutions.

With the built-in connection wizard (DHCP, Fixed IP, PPPoE, PPTP, SingTel RAS, Telstra Big Pond) VPN support (IPSec standards, including IKE and certificates) and Microsoft VPN support, the PLANET VRT-311S is able to use most connection types, and meet the most demanding security requirements. For overall network security, the VRT-311S integrates user access control and policy based controls plus SPI firewall protection, offering high efficiency and extensive protection for your network.

With easy integration and full compatibility with existing network infrastructures, the PLANET VRT-311S comprises a 3-port auto-sensing, auto-MDI/MDI-X 10/100Mbps switch, and a standard 10/100Base-TX WAN port providing Internet access for both Servers and LAN side workstations

Utilizing 56-bit DES, 168-bit 3DES and AES encryption, header authentication, and Internet Key Exchange (IKE) access control, the VRT-311S's full IPSec VPN (virtual Private Network) capability provides complete data security and privacy for access and exchange of sensitive data. The Config and VPN wizards in PLANET VRT-311S offer the convenience and flexibility to make fast and simple secure network connections.

▶▶ KEY FEATURE

- VPN Support**
Full IPSec Virtual Private Network (VPN) support: MD5-HMAC/SHA1-HMAC and certificate authentication, DES-CBC, 3DES-CBC, AES encryption, Internet Key Exchange (IKE), and Manual Key Negotiation. VPN tunneling Capability of VRT-311S can be configured up to 10 virtual private tunnels over the Internet.
- VPN Pass Through Support**
PCs with VPN (Virtual Private Networking) software using PPTP, L2TP and IPSec are transparently supported - no configuration is required
- Microsoft VPN Support**
Microsoft VPN uses the Microsoft VPN Adapter which is provided in recent versions of Windows. This feature can be used to provide remote access to your LAN by individual PCs. Using Microsoft VPN provides easier setup than using IPSec VPN.
- LAN / Internet Access**
Share one user IP address for everyone on your LAN. In the meantime, using VPN site-to-site connectivity, branch or mobile workers are allowed to access enterprise networks via a secure connection from anywhere around the world.
- Stateful Inspection Firewall**
All incoming data packets are monitored and all incoming server requests are filtered, thus protecting your network from malicious attacks from external sources.
- Protection against DoS attacks**
DoS (Denial of Service) attacks can flood your Internet connection with invalid packets and connection requests, using so much bandwidth and so many resources that Internet access becomes unavailable. VRT-311S incorporates protection against DoS attacks.
- Rule-based Policy Firewall**
To provide additional protection against malicious packets, you can define your own firewall rules. This can also be used to control the Internet services available to LAN users.
- Virtual Server & Internet application capability**
The Virtual server enables the VRT-311S to share local resources such as email, FTP or HTTP servers in a more convenient way. The DMZ capability helps LAN servers to act as an independent Internet node that communicates to the Internet in both directions while maintaining security for LAN users.
In the meantime, the VRT-311S supports various Internet communication applications, such as interactive Games, Telephony, and Conferencing applications, which are often difficult to configure behind a Firewall.

▶▶ SPECIFICATION

Product		VPN / Firewall Broadband Router
Model		VRT-311S
Hardware		
Ports	LAN	3 (10Base-T/100Base-TX, Auto-Negotiation, Auto MDI/MDI-X)
	DMZ	1 (10/100Base-TX DMZ port, Auto-Negotiation)
	WAN	1 (RJ-45, 10/100Base-TX, Auto-Negotiation)
LED Indicators		System: 2 (Power, Status) WAN port: 1 (Link/Act) LAN port: 2 (Link/Act, 100) per port
Button		1 for reset/factory reset
LAN Architecture		High performance Store and forward
MAC address		1K-entry auto aging
Software		
Protocol		TCP/IP, NAT, DHCP, HTTP, DNS, PAP, CHAP, TFTP
Security		Native NAT firewall, Enhanced Rule-based+ SPI firewall, Email alerting mechanism, DoS attack Prevention system, local password protection
VPN (IPSec)		MD5-HMAC/SHA1-HMAC/Certificates authentication, DES-CBC, 3DES-CBC, AES encryption, Internet KeyExchange, Manual Key Negotiation
Management		Web browser management
WAN port Speed		Depends on xDSL/Cable Modem capability; up to 100Mbps
Environment Specification		
Dimension (W x D x H)		148 mm x 120 mm x 30 mm
Power		12V DC, 800mA
Temperature		0~50 degree C (operating)
Humidity		10%~ 90% (non-condensing)
Emission		EMI: FCC part 15, CE

▶▶ ORDERING INFORMATION

- ▶ **VRT-311S** Broadband VPN Router (TCP/IP with 3 switch LAN port, 1 WAN port)



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