802.11n Multi-Homing Broadband Router

The PLANET VRT-420N Dual WAN VPN Router enables highly secure, high quality performance and, reliable connectivity to the Internet for SMB, SOHO, and home.

WAN Balancing & Failover

The VRT-420N supports 2 WAN Load Balance and Failover, offering non-stop network connectivity. With PPTP server enabled, it provides a secured data connection in the most convenient way from the VRT-420N; and with IPSec server, it performs enterprise level data security. The VRT-420N also features MRTG Monitoring that provides Throughput and Session MRTG graphs within the Graphic User Interface. This allows users to monitor bandwidth usage without difficulty and can easily manage the network with total convenience.

Wireless Mobility

The VRT-420N is an 802.11n compliant Wireless VPN Firewall Router that is designed for sharing Internet connection to user's LAN and WLAN at the same time. The VRT-420N supports not only AP mode, but also Bridge (AP disable / Repeater AP Enabled), Universal Repeater and WISP modes; thus it offers more flexibility for users to establish their wireless network.

VPN Security

The VRT-420N provides complete data security and privacy for access and exchange of most sensitivity data. The full VPN capability in the VRT-420N including built-in IPSec VPN function with DES / 3DES / AES encryption and MD5 / SHA-1 authentication, PPTP and L2TP server / client mechanism makes the shared connection more secure and flexible.

Powerful Firewall

Furthermore, the VRT-420N integrates user access control and SPI (Stateful Packet Inspection) firewall protection which can offer high efficiency and extensive protection for your network. The Virtual Server and DMZ function enables you to setup the servers in the Intranet and still provide services to the Internet users.

KEY FEATURES

LOAD BALANCE
- Multi-WAN bandwidth aggregation
- Round Robin
- Weighted Round Robin
- Multi-WAN failover
- WAN failure detection

ROUTER / NAT FEATURES
- Access to Private LAN Servers from the Public Network
- Equipped with three LAN ports (10/100Mbps) and two WAN port (10/100Mbps), Auto-MDI/MDI-X supported
- Supports DHCP Server
- System status monitoring includes Active DHCP Client, Security Log and Device/Connection Status
- Web-based GUI for and Wizard setup for easily configuration
- Remote Management allows configuration and upgrades from a remote site
- Supported Internet types: Dynamic / Static IP / PPPoE / PPTP / L2TP
- Supports UPnP function

FIREWALL / SECURITY FEATURES
- MAC / IP filter access control, URL blocking ; SPI firewall + DoS prevention protection
- Built in NAT firewall
- Predefined / User-defined service database
- Enable / disable VPN pass-through

VPN FEATURES
- Site-to-site / Client-to-VPN gateway connection capability
- IKE Keying Methods: Auto (Pre-shared Key), Manual Keying
- Authentication: MD5/SHA-1
- Encryption: DES/3DES/AES
- Adjustable IKE SA Life time
- PPTP VPN tunnels : 10
- IPsec VPN tunnels : 25

WIRELESS FEATURES
- IEEE 802.11n wireless technology backward compliant with 802.11b/g standard
- Supports Wi-Fi Protected Setup (WPS)
- Advanced security: 64/128-bit WEP, WPA –TKIP(PSK), WPA2-AES(PSK), 802.1x
- Max WDS mode link could be set up to 4 sets
- Multiple SSID (Two SSID)and hidden SSID broadcasting

APPLICATIONS

The Powerful Dual Wan VPN Router VRT-420N supports failover and load balancing to provide non-stop and fluent network communication. The VRT-420N provides advanced features including add-on virtual servers, special applications, UPnP and DMZ supports to help users enjoy the trouble-free Internet communication. The IPSEC VPN also makes the private tunnel over Internet in a secure way toward the business.

SPECIFICATION

Product	802.11n Multi-Homing Broadband Router		
Model	VRT-420N		
Hardware			
Standard	IEEE 802.11b/g, 802.11n Draft 2.0, IEEE 802.3u		
Signal Type	802.11b mode: DSSS 802.11g mode: OFDM 802.11n mode: OFDM, MIMO		
Modulation	802.11b: DBPSK, DQPSK, CCK 802.11g: BPSK, QPSK, 16QAM, 64QAM 802.11n: BPSK, QPSK, 16QAM, 64QAM		
WAN Port	2 x 10/100Base-TX, Auto-MDI/MDI-X		
LAN Port	3 x 10/100Base-TX, Auto-MDI/MDI-X		
Antenna connector	1 x Detachable dipole 3dBi Dipole Antenna		
LED Indicators	PWR* 1, WLAN* 1, WAN * 2, LAN * 3		
Data Encryption	64 bit / 128 bit WEP, WPA-PSK, WPA, WPA2, 802.1x encryption		
Output Power	802.11b: 17 dBm 802.11g: 15 dBm 802.11n: 15 dBm		
	802.11b: 11/5.5/2/1Mbps		
	802.11g: 54/48/36/24/18/12/9/6Mbps		
	802.11n:		
Data Rate	**MCS Index**	HT20	HT40
		Data rate (Mbps) @ 400ns GI	
	0	7.2	15.0
	1	14.4	30.0
	2	21.7	45.0
	3	28.9	60.0
	4	43.3	90.0
	5	57.8	120.0
	6	65.0	135.0
	7	72.2	150.0
Receiver Sensitivity	802.11n 20/40MHz MCS7, 10% PER, -67±2dBm 54Mbps OFDM, 10% PER, -72±2dBm 11Mbps CCK, 8% PER, -88±2dBm		

Software	
Router Feature	Access to Private LAN Servers from the Public Network Equipped with three LAN ports (10/100Mbps) and two WAN port (10/100Mbps) Supported Internet types: Dynamic / Static IP / PPPoE / PPTP / L2TP 802.1D (Spanning Tree Protocol) DHCP Server / Client UPnP and DDNS DMZ and Virtual Server SNTP Static Routing
Wireless Feature	802.11n wireless technology backward compliant with 802.11b/g standard Supports Wi-Fi Protected Setup (WPS) Advanced security: 64/128-bit WEP, WPA –TKIP(PSK), WPA2-AES(PSK), 802.1x Max WDS mode link could be set up to 4 sets Multiple SSID (Two SSID)and hidden SSID broadcasting
VPN	Site-to-site / Client-to-VPN gateway connection capability IKE Keying Methods: Auto (Pre-shared Key), Manual Keying Authentication: MD5/SHA-1 Encryption: DES/3DES/AES Adjustable IKE SA Life time PPTP VPN tunnels : 10 IPsec VPN tunnels : 25
Session	15000
Maximum Clients	253
Virtual Host	32
Port forwarding rule	64
Security	Built-in NAT Firewall MAC / IP/ Port Filtering Content Filtering SPI Firewall support Password protection for system management
Management	System status monitoring includes Active DHCP Client, Security Log and Device/Connection Status Web-Based GUI and Wizard setup for easy configuration Remote Management allows configuration and upgrades from a remote site

ORDERING INFORMATION

VRT-420N	802.11n Dual WAN VPN Router

RELATED PRODUCTS

VRT-402N	802.11n Wireless VPN/Firewall Router
WNL-U554M	802.11n Micro Wireless USB Adapter
WNL-U554A	802.11n Wireless USB Adapter

C-VRT-420N