Vigor2500V ADSL VoIP Router

◆ Combination ADSL Modem, router, firewall, VPN and VoIP
◆ Versatile Firewall Protection
◆ Robust VPN functionality with DES/3DES encryption engine
◆ Quick Start Wizard -automatically detects VPI/VCI/Protocol of ADSL Internet

VoIP (Voice over IP)

- One FXS (phone) port makes and receives real-time voice calls using your existing Internet connection.

  • Integration of existing telecom infrastructure with VoIP technology
  • State-of-the art solution for using your existing broadband connectivity to save voice call costs, and provide additional call capacity.
  • An ideal replacement for long-distance call services between remote offices or telecommuters.

- By adding manually prefix, users can make emergency calls such as 911 and service calls (e.g. Directory checking) while within VoIP network.
- Provides call routing intelligence between the PSTN and the IP network for handling voice calls via analog phone line or Internet. Furthermore, users can still make and receive phone call if the electricity is dropped.

ADSL

- Compatible with ADSL lines up to 8Mbps
- Support PPPoE, PPPoA, MPoA protocols
- Quick Start Wizard -automatically detects VPI/VCI/Protocol of ADSL Internet

Firewall Facilities

- Stateful Packet Inspection
  tracks packets and denying unsolicited incoming data
- Selectable DoS/DDoS protection
- IP Address anti-spoofing
- User-configurable packet filter
- NAT/PAT with Port Forwarding/Redirection & DMZ
- Virtual server via port redirection or open ports feature
- E-mail alerting mechanism

Virtual Private Network (VPN) Facilities

- High performance VPN device
- Up to 2 simultaneous VPN tunnels (Only outgoing, No dial-in)
- Protocol support for PPTP, IPSec, L2TP, L2TP over IPSec
- Encryption support for AES, MPPE, and DES/3DES encryption
- Authentication support for MD5 and SHA-1
- IKE key management
- Interoperable with other leading 3rd party vendor VPN devices or software

LAN

- 4-port 10/100 Base-TX Ethernet switch
- DHCP server for IP assignment (up to 253 users)
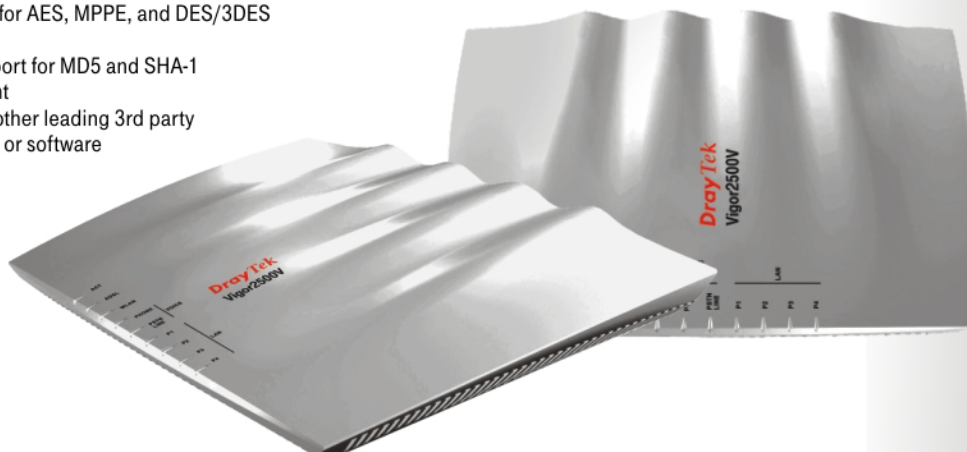- DNS cache and proxy

Flexible URL Content Filtering

- Block URL (web-site) by user-defined keywords
- Preclude web surfing from using directly IP address
- Block automatic download of Java applets and ActiveX controls
- Block web site cookies and proxy
- Block http downloads of file types: executable/compressed/multi-media
- Support time schedule to control the restrictions and regular Internet access

Application Support

- Windows Messenger, Yahoo Messenger, MSN Messenger V6.0, NetMeeting, ICQ2001b/2002a, online gaming, and other multimedia applications
- The UPnP protocol enables router control and enhances access for UPnP -ready multimedia applications

Router Management

- Web-based User Interface
- Command Line Interface (Telnet)
- Telnet Remote Access Support
- SNMP Agent with MIB-II
- Built-in Diagnostic Function
- Remote Firmware Upgrade
- Quick Start Wizard
- Syslog Monitoring
- Attack Alert by E-mail

Technical Specifications

Hardware Interface	LAN	4-port 10/100 BaseTX Switch with VLAN
	WAN	ADSL
	VoIP(FXS)	1 FXS port for analog phone set
	PSTN	Analog phone line

ADSL Protocol
PPP over AAL5(RFC 2364), PPP Over Ethernet(RFC 2516),
PPPoE Pass-Through for LAN /WLAN,
Bridge/Routed Ethernet Over AAL5 (RFC 1483, 2684)

ADSL Compliance
G.DMT, G.Lite, T1.413 issue2, Auto mode

NAT
Multi-NAT,DMZ, Port Redirection, Open Ports, Pass-thru
(VPN, VoIP, NetMeeting, MSN messenger, ICQ, Quake...etc.)

Firewall Features
Access Control, IP-based Packet Filtering, Stateful Packet
Inspection, Denial of Service Prevention

Virtual Private Network
IKE Key Management, IPSec, PPTP, L2TP, L2TP over IPSec
Hardware-based DES/3DES Encryption; AES Encryption
MPPE Encryption for PPTP; IPSec Authentication (MD5 and SHA-1)
Remote Access VPN; VPN Pass Through; Up to 2 tunnels;
RADIUS Support

Routing Support
RIPv2, Configurable Static Route

Network Features
DHCP server/relay, Dynamic DNS,Call Scheduling,RADIUS Client

URL Filtering
URL Blocking with Exception Handling; Java/ActiveX/Cookies/
proxy Blocking; Executable/Compressed/multimedia file Blocking;
URL Blocking by User-defined Keywords; Time schedule Support

Management
Time Schedule Support; Web-based User Interface
Command Line Interface (Telnet)
Telnet Remote Access Support; SNMP Agent with MIB-II
Built-in Diagnostic Function; Remote Firmware Upgrade
Quick Start Wizard; Syslog Monitoring; Attack Alert by E-mail
Secure Remote management

Max. Power Consumption	10 Watt	Operating temperature:0° to 45°C (32° to 113°F)
Dimension (cm)	L22.0*W15.9*H3.2	Operating humidituy:90% maximum relative humidity, noncondensing
Power	AC 9V	

VoIP	G.168 Line Echo-cancellation	
	Gain control	
	Jitter buffer (125ms)	
	Voice Processing	G.711 A/u law
		G.723.1/G.726
		G.729 A/B
		VAD/CNG
	Tone Generation and Detection	DTMF, Dial, Busy, Ring Back, Call Progress
	Protocol	SIP / MGCP / RTP

CE FC