

Vigor2800V/VG ADSL2/2+ VoIP Security Router



- ◆ Easy Internet-sharing via ADSL, ADSL2/2+ connection
- ◆ Built-in VoIP facilities enable to deploy cost-effective IP telephone infrastructure
- ◆ Comprehensive VPN facilities provide deployment of linked branch offices and teleworkers
- ◆ Robust firewall with intelligent IM/P2P management
- ◆ Super G provides up to 108Mbps wireless bandwidth (Vigor2800VG)

Targeting requirement for residential, SOHO (Small Office and Home Office) and business users, the Vigor2800V/VG is an ADSL2/2+ enabled integrated access device. With downstream speed up to 12Mbps(ADSL2) or 24Mbps (ADSL2+), the Vigor2800V/VG provides exceptional bandwidth (*note) for internet access. (*note: the available bandwidth also depends on the Internet Service Provider)

Embedded with sophistic VPN firewall security features, the Vigor2800V/VG provides 32 dedicated virtual private data networks tunneling through public internet. Powered by hardware-based DES/3DES engine, all the information transmitted is well encrypted, hence against any snooping without performance degraded when VPN is enabled. The rich firewall features of the Vigor2800V/VG protect against versatile internet malicious attacks.

Equipped with two FXS ports for telephone connectivity, the Vigor2800V/VG enables VoIP (Voice over IP) service thus greatly reduce the telephony expense. To provide a better voice quality, the Vigor2800V/VG enables versatile voice codec and sophistic traffic queuing to get a better QoS (Quality of Service) over voice.

The Vigor2800V/VG also integrates different add-on functions by models for customer's alternative. The Vigor2800G deploys Atheros' Super G technology, which provides enhanced data rate up to 108Mbps. To enhance the security and performance of the wireless network, the Vigor2800G features WPA2 (802.11i), wireless LAN isolation, WDS (Wireless Distribution System), and wireless VLAN.

Wireless Access Point

- IEEE 802.11b/g compliant
- Super G™ provides up to 108Mbps total wireless bandwidth
- Wireless client list
- Access point discovery
- WDS (Wireless Distribution System)*
- Wireless LAN isolation
- Wireless rate-control*
- Wireless security:
 - 64/128 bits WEP encryption
 - WPA (Wi-Fi Protected Access), WPA2 encryption
 - 802.1x user authentication with RADIUS client
 - MAC address access control
 - Hidden SSID
 - Wireless VLAN*
- VPN over WLAN

VoIP (Voice over IP)

- Protocol: SIP, RTP/RTCP
- Supports twin FXS (phone) ports
- G. 168 line echo-cancellation
- Gain control
- Jitter buffer (125 ms)
- Voice Codec: G.711 A/μ law, G.726, G.723.1, G.729 A/B, VAD/CNG
- Tone generation and detection: DTMF, Dial, Busy, Ring back
- Up to 6 SIP accounts

ADSL2/2+ Compatibility

- ADSL
 - G.dmt over POTS and ISDN (G.922.1)
 - G.lite (G.992.2)
 - ANSI T1.413 issue2
- ADSL 2
 - G.dmt.bis (G.922.3)
 - G.lite.bis (G.922.4)
- ADSL 2+ (G.922.5)
- Up to 24Mbps downstream and 1Mbps upstream

ATM Protocols

- Multiple protocol over AAL5 (RFC 2684)
- PPP over Ethernet and AAL5 (RFC 2516,2364)
- Up to 8 PVCs
- PPPoE pass through from LAN/ WLAN
- Transparent Bridge for MPoA

Firewall Facilities

- IM/P2P blocking
- Multi-NAT, DMZ host, port-redirect / open port
- Rule-based packet filtering
- SPI (Stateful Packet Inspection)
- DoS/DDoS protection
- IP address anti-spoofing
- E-mail alert and logging via syslog
- VPN pass-through



DrayTek

Vigor2800V/VG *ADSL2/2 + VoIP Security Router*

Virtual Private Network (VPN) Facilities

- Up to 32 VPN tunnels
- Supported protocol: PPTP, IPSec, L2TP, L2TP over IPSec
- DHCP over IPSec/NAT Traversal/DPD
- Encryption: AES, MPPE and hardware-based DES/3DES
- Authentication: MD5, SHA-1
- IKE authentication: pre-shared key and digital signature (X.509)
- LAN-to-LAN, Teleworker-to-LAN

Quality of Service

- Class-based bandwidth guarantee by user-defined traffic categories
- Support of four priority levels
- Support of DiffServ Codepoint classifying

Content Filtering

- URL keyword blocking (whitelist or blacklist)
- Java applet, cookies, ActiveX, compressed, executable, multimedia file blocking
- Time schedule control
- Web Content Filter (Powered by SurfControl)

Printer Port

- USB port connector
- Built-in LPR printer port
- Provide LPR printer for Windows 98/SE/ME
- Compatible with Windows 2000/XP/Server 2003/ Mac OS 9/Mac OS X built-in LPR printer driver

LAN

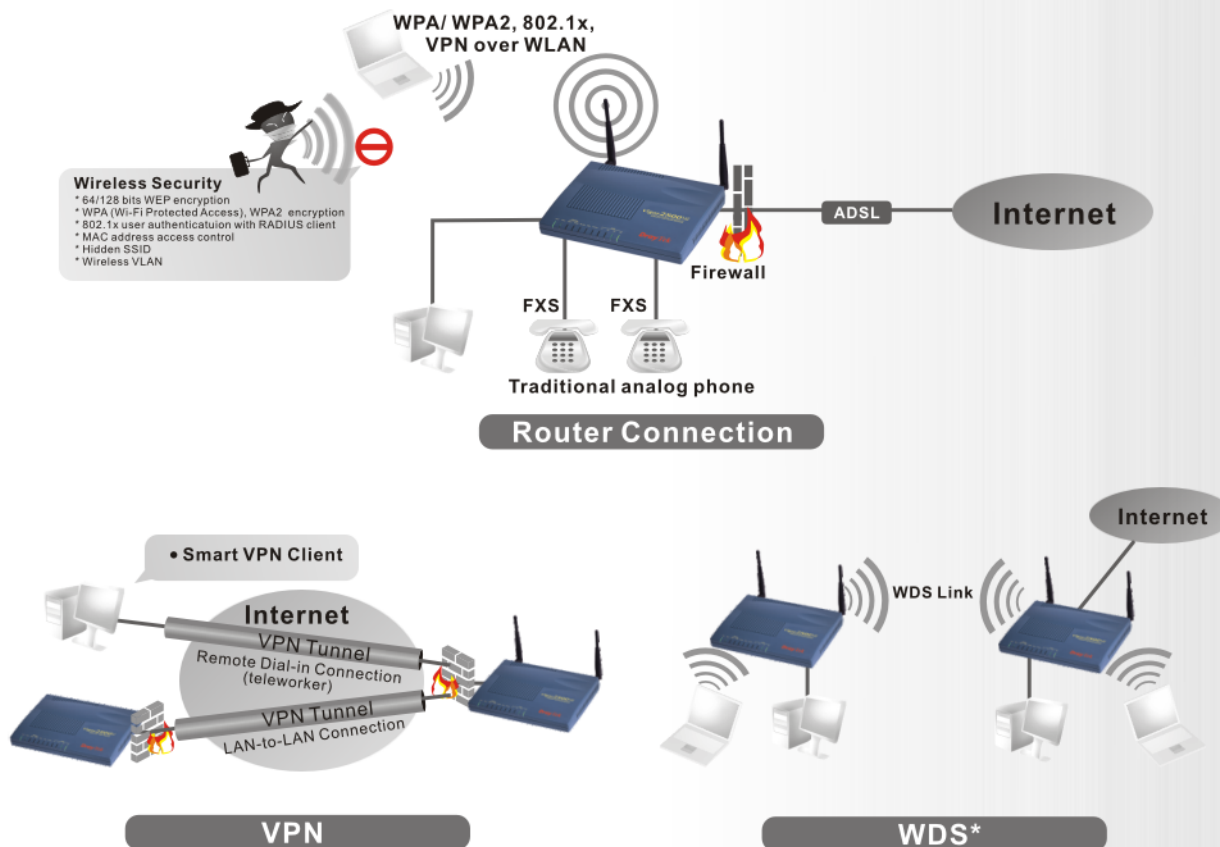
- DHCP server for IP assignment (up to 253 users)
- DNS cache and proxy
- Ethernet VLAN segmenting
- Routing support: RIPv2, Static Route

Network Features

- DHCP client/relay/server
- Dynamic DNS
- SNMP client
- Call scheduling
- RADIUS client
- DNS cache/proxy
- UPnP
- IGMP Proxy.

Specifications

ADSL	1-port, ADSL 2/2+, RJ-11 connector
LAN	4-port 10/100 Base-TX Switch, RJ-45 connectors
Phone	2-port, FXS, RJ-11 connectors
Printer	1-port, USB
WLAN	IEEE 802.11b/g (for G models)
Power	12-15V DC, 10 Watt
Dimension (mm)	L220* W160* H36



* Feature released by firmware Upgrade