

# Vigor2200 Series VPN Broadband Router

- ◆ Highly integrated broadband router
- ◆ Robust firewall to help protect your network
- ◆ VPN facilities to ensure secured data and voice communications
- ◆ Free Voice-over-IP phone calls
- ◆ QoS to assure priority for VoIP traffic
- ◆ 802.11g compliant (Vigor2200VG only)

The Vigor2200 series are highly integrated broadband routers with VPN capability targeting SOHO (Small Office and Home Office) and residential broadband access requirement. These integrated network access devices not only offer rich functionality with up to 8Mbps bandwidth in downstream but also a built-in VoIP port to provide a cost-saving alternative for calls. The integrated economical design makes the ideal balance of ease of use and secure network management.

Besides powerful firewall protection against malicious Denial of Service (DoS) attacks, the Vigor2200 series are designed with more advanced security feature such as Stateful Packet Inspection (SPI) to offer network reliability by detecting attacks and prohibits malicious penetrating packets from entering internal network. Furthermore, embedded with VPN support for confidential remote access, the Vigor2200 series are equipped with powerful DES, 3DES encryption engine and automated key management via IKE to easily create multiple VPN tunnels.

Combining the Internet telephony service from ITSP such as DrayTEL, the Vigor2200 series charter VoIP calls to be made to any legacy phone numbers, even including mobile and long distance numbers. By making the most of your broadband, the call will be carried to the destination via Internet so you can save on the telephone bill. When encountering Internet failures, the automatic failover mechanism of Vigor2200 series will intelligently redirect calls via legacy telephone line. Also the Vigor2200 series will bypass all calls to telephone line during power cuts to ensure an outgoing life line.

The Vigor2200 series features the latest wireless technology offering data transfer speeds with a maximum wireless signal rate of up to 54Mbps in the 2.4GHz frequency. Allowing streaming video and other high bandwidth applications such as online gaming events to operate without the hassle of Ethernet cables, the Vigor2200 series also make streaming real-time programs more smooth and enjoyable.

## VoIP (Voice over IP)

- Connect a regular telephone to make and receive voice calls using your existing broadband connection, leaving your regular line free
- Make and receive calls using your regular phone line (POTS) or via VoIP using the same telephone handset
- PSTN Life-line : Auto-Fallback, e.g. phone switches to PSTN during power cut

## Virtual Private Network (VPN) Facilities

- Up to 8 simultaneous VPN tunnels
- Dial-in or dial-out, LAN-to-LAN or Teleworker-to-LAN
- Protocol support for PPTP, IPSec, L2TP, L2TP over IPSec
- Encryption support for AES, MPPE, and hardware-based DES/3DES encryption
- Authentication support for MD5 and SHA-1
- IKE key management
- Interoperable with other leading 3rd party vendor VPN devices or software

## Firewall Facilities

- SPI (Stateful Packet Inspection)
- Selectable DoS/DDoS protection
- Flexible URL content filtering
- User-configurable packet filtering
- E-mail alerting mechanism
- Supports VPN pass-through
- NAT/PAT
  - Virtual server via port redirection or open ports
  - DMZ host

## Wireless Access Point (Vigor2200VG only)

- Supports 802.11b/g
- Wireless client list
- Wireless security:
  - 64/128 bits WEP encryption
  - WPA/PSK
  - MAC address access control
  - Hidden SSID



# DrayTek

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## Application Support

- Support UPnP
- Supports ALGs (Application Layer Gateways)
  - IM/P2P, online gaming, and other multimedia applications

## Router Management

- Web-based user interface
- Firmware upgrade via TFTP/FTP
- SNMP Agent with MIB-II
- Built-in diagnostic function
- Logging via Syslog

## WAN/Internet

- Quick Start Wizard for Internet access
- DHCP client for cable service
- Static IP address assignment for fixed IP networks
- PPPoE/PPTP client for ADSL service

## LAN

- DHCP server for IP assignment (up to 253 users)
- DNS cache and proxy
- Supports port-based Virtual LAN (VLAN)
- Routing protocol supported: RIPv2, Static Route

## Specifications

WAN:	One 10/100 M Base TX port with a RJ-45 connector
LAN:	4-port 10/100 Base-TX Switch
Phone:	1-FXS VoIP Port for analog phone set
Line:	Analog Phone line
Max. Power Consumption	DC 15V, 10 Watt
Dimension (mm)	L220* W160* H36

VoIP	G.168 Line Echo-cancellation	
	Gain control	
	Jitter buffer (125 ms)	
	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	
Protocol	SIP, RTP/RTCP	
WAN (Internet) interface		10/100BaseT RJ45

