

# Vigor3100 G.SHDSL Security Router

- ◆ Internet-sharing via G.SHDSL connection that is eight times faster than traditional ADSL speed and providing symmetric bandwidth of up to 2.3 Mbps downstream and upstream.
- ◆ Support both CO and CPE modes for back-to-back application.
- ◆ Enterprise-grade security features for small and medium office.
- ◆ Sophistic firewall providing 32 dedicated VPN tunnels for easy deployment of remote branch offices.

The G.SHDSL is a solution for SDSL (Symmetrical DSL ) which provides same transmission rate up to 2.3Mbps in one pair for uploads and downloads. For business hosting web, ftp other servers, SDSL is an appropriate solution than others. It can give customers a fast and efficient connection to specified servers, and provide good performance by comparing with leased lines (T1/E1) connectivity with a lower cost.

The Vigor3100 Series are integrated with G.SHDSL to meet the requirements and principles of saving cost for small business and managed services providers. The ISP can use the benefit of Vigor3100 Series to offer an actual business-class broadband service. And, the business users (or customers) can connect to Internet or offices through broadband access. In addition, users need a high-level support to make the network up and running. Such services can be setup up easily with Vigor3100 Series.

In general, the enterprise emphasizes the security of corporate network. With sophistic VPN firewall feature, Vigor3100 series provide 32 dedicated virtual private data networks tunneling through public Internet and allow remote users connecting to headquarters easily and safely. All the data transmitted can be well encrypted with the hardware-based DES/3DES engine. Therefore, Vigor3100 series can resist any snooping without degrading the performance while enabling VPN function.

Moreover, with the speed of 108bps in WLAN, Vigor3100 Series allows the WLAN users to enjoy the Internet access freely and easily. In addition to featuring with WPA2 (802.11i), wireless LAN isolation and WDS (Wireless Distribution System), Vigor3100 G models can provide wireless LAN access with line rate as much as 108Mbps with Super G™ by embedding 802.11g compliant wireless module.

Vigor3100 can be installed on different campus buildings by connecting with existing telephony wires for the enterprise campus applications. It can enable high-speed symmetrical intranet access between campus buildings for each other. Such application does not require new infrastructure, but it only needs low-cost, easy-to-install and low management on overhead.

## G.SHDSL Compliance

- G.991.2 Annex A and Annex B
- Up to 2.3 Mbps downstream and upstream
- CPE/CO mode

## WAN Protocols

- PPP over Ethernet (RFC 2516)
- PPP over ATM(RFC2364)
- Multiple protocol over ATM

## Virtual Private Network (VPN) Facilities

- Up to 32 VPN tunnels
- Supported protocol: PPTP, IPSec, L2TP, L2TP over IPSec
- DHCP over IPSec
- 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

## Firewall Facilities

- IM/P2P blocking
- Multi-NAT, DMZ host, port-redirect / open port
- MAC address filtering\*
- 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

## QoS

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

## Content Filtering

- URL key word blocking
- Java applet, cookies, Active X, compressed, executable, multimedia file blocking
- Time schedule control

\* Firmware Upgradeable



# DrayTek

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## Router Management

- Web-based user interface (HTTP/HTTPS)
- Quick Start Wizard
- CLI (Command Line Interface, Telnet/SSH\*)
- Administration access control
- Configuration backup/restore
- Built-in diagnostic function
- Firmware upgrade via TFTP/FTP
- Syslog
- SNMP management MIB-II

## Printer Server

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

## Network Features

- DHCP client/relay/server
- Dynamic DNS
- SNTP client
- Call scheduling
- RADIUS client
- DNS cache/proxy
- UPnP

## LAN

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

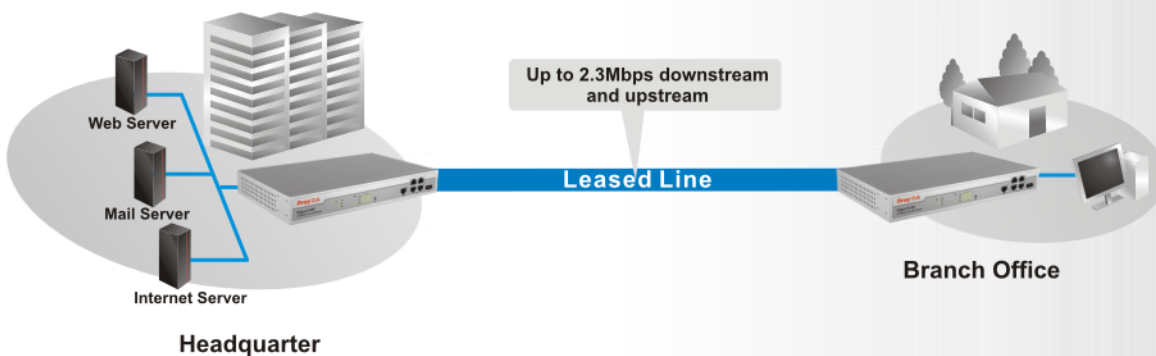
## Wireless Access Point

- 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\*

## Specifications

SDSL	1-port, G.SHDSL, RJ-45 connector
LAN	4-port 10/100 Base-TX Switch, RJ-45 connectors
Printer	1-port, USB
Power	Max. 15 Watt, 100-240VAC, 50-60Hz
Dimension (mm)	L273* W166* H44

## Back-to-Back Application:



## Internet Access and Remote Access:

