

# DrayTek

## Vigor 3100 SDSL Router Firewall



- G.SHDSL Router & Firewall
- Four port 10/100BaseT Switch with VLAN (exclusive/inclusive)
- Internet Gateway and Firewall with SPI
- VPN Server for Teleworkers and LAN-to-LAN - up to 32 simultaneous tunnels
- Internet Content Filtering (Keyword & Categorical)
- USB Printer Port for sharing a printer between LAN users
- QoS Assurance - Guarantee available bandwidth for priority services
- Rack Mountable (19" fixings included)

## Overview

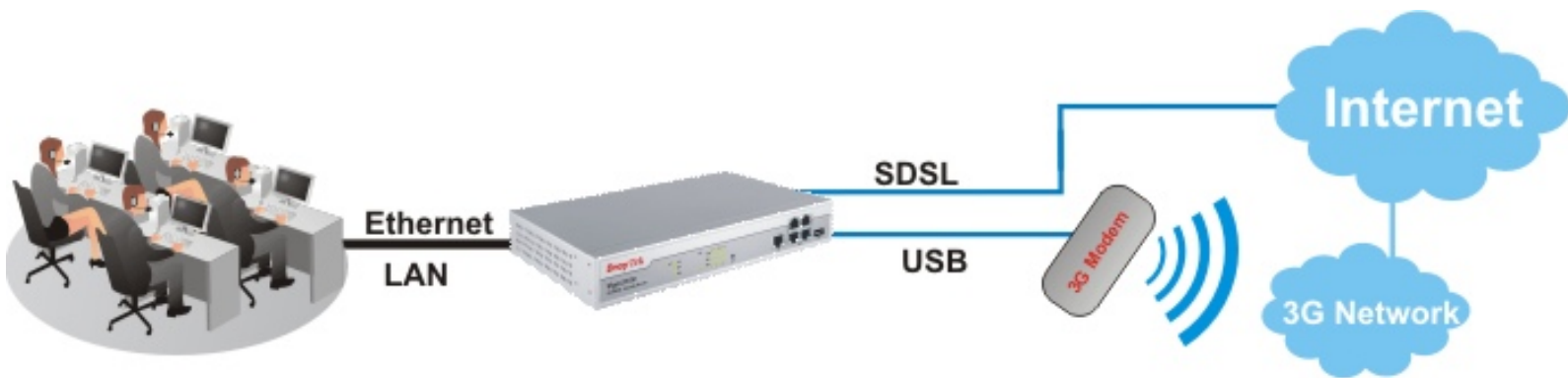
The Vigor3100 series is a Router/Firewall for G.SHDSL broadband supporting speeds up to 2.3Mb/s. The Vigor3100 builds on the strong pedigree of DrayTek's ADSL and Broadband routers, including multi-protocol VPN support, robust firewalling and flexible routing options.

The Vigor3100 on SDSL is ideal for VPN or Server hosting where upstream speed is just as important as downstream. Regular ADSL has a typical upstream speed of only 0.25Mb/s, regardless of your downstream speed (up to 8Mbps) - this makes VPN operations such as PC remote access or SQL server access slow as your branch office or Teleworker can receive data at a maximum of 256Kb/s (even less after overheads and contention). With SDSL, upstream speeds are the same as downstream, so a 2Mb/s SDSL line can transmit data to remote users at 2Mb/s.

## 3G

### 3G Cellular Data Features

The Vigor 3100's USB port can host a compatible 3G modem or cellphone for access to the cellular network for full Internet Access. Most UK networks now provide high speed HSDPA data connections at up to 3.6Mb/s download speed. The 3G connection can be used as your primary/only Internet access, or as backup to your main SDSL line connection. This is ideal for contingency or disaster planning where you might depend on Internet access.



## Supported Modems / Phones

- Huawei E220 (Widely used)
- Huawei E270
- Option Globesurfer Icon
- Nokia N70
- Nokia N95
- Nokia 6233
- Nokia N95
- Telstra HSDPA USB Modem
- 4G System XSPlug P3
- Zapp Telemodem Z020
- Option Globesurfer iCON
- 4G System XSPlug P3
- ZTE AC8700 3G
- Benq EF91
- LG U8380
- Telstra Next G 3G USB
- ZTE AC8700



A USB connection cable is required for your modem/phone (neither are supplied).

Note: DrayTek have no control over local network/provider operations, changes in network facilities/tariffs nor make any claim over specific network compatibility. Please assure yourself that the router will be compatible with your chosen cellular network and provider and that you have adequate signal coverage before committing to any contract term. Please also ensure that your chosen provider and the tariff allows access to all of your required applications (e.g. VPN, VoIP, Messaging etc.) as many packages exist, some blocking certain data types.

## Specification

### Technical Specification

- SDSL Compatibility : G.SHDSL / G.991.2, up to 2.3Mb/s Full duplex/symmetric
- Note: The Vigor3100 will not operate on ADSL lines
- WAN Protocol : PPPoA (AAL5), PPPoE, MPoA
- Routing : NAT, PAT, MultiNAT and fully routed connections (simultaneously)
- Network Protocols :
  - DHCP server/relay/client
  - DNS cache and proxy
  - Dynamic DNS (Updating remote servers)
  - SNMP client
  - Call scheduling

- RADIUS client
- MicroSoft UPnP
- Routing protocol: Static routing, RIP V2
- VPN Protocols :
  - PPTP, IPSec, L2TP, L2TP over IPSec
  - Dial-In, Dial-Out, LAN-to-LAN or Teleworker-to-LAN
  - Max. Simultaneous Tunnels : 32
  - Encryption: AES, MPPE and hardware-based DES/3DES
  - Authentication: MD5, SHA-1
  - IKE key management
  - IKE authentication: pre-shared key and X.509 protocol with digital signature
  - Dial-in/Dial-out, LAN-to-LAN, Teleworker-to-LAN
  - IPSec pass through
  - Radius Authentication for Teleworkers
- Router Management / Monitoring:
  - Web-based user interface : HTTP / HTTPS
  - Command Line Interface (Telnet)
  - Administration access control list (limit by local/remote IP)
  - Configuration backup/restore
  - Built-in diagnostic functions / logging
  - Local Firmware upgrade via TFTP
  - Remote firmware upgrade via FTP
  - Logging via syslog
  - SNMP management MIB-II
- QoS Operation:
  - Class-based bandwidth guarantee by user-defined traffic categories
  - Four priority levels
- Ethernet Ports :
  - Four 10/100BaseT Switched Ethernet Ports
  - Auto uplink detect (to another switch/backbone), auto speed/duplex
  - Port based VLAN (Segmenting Inclusive/Exclusive Peers, per port)
- Dimensions : 273mm (W) x 166mm (D) x 44mm (H) (1U - Rack Mountable - bracket supplied)
- Environment : Operating 0-40 degrees C. Storage -25-40 degrees C.  
Humidity : 10-90% Non-Condensing
- Weight :
- Power : 220-240 VAC, Internal PSU
- Warranty : 2 Year's Manufacturer's RTB