

## Vigor 2820 Series ADSL Router Firewall



- ADSL/ADSL2+ and Broadband Router
- Dual-WAN ports for ADSL or cable modem or both
- 3G (Cellular) Modem support
- Analogue Modem Connectivity (Dial-Backup)
- Comprehensive and Robust Firewall
- Twin VoIP ports with PSTN passthrough ('V' models only)
- Content Filtering (by matched keyword or data type)
- SurfControl Web Site Category Filtering
- Ethernet and WiFi Virtual LAN segmentation (common/distinct)
- Configurable QoS Features (For traffic prioritisation)
- VPN Dial-in/dial-out with VPN hardware co-processor
- 802.11n Draft 2.0 Wireless LAN ('n' models only)
- Gigabit Ethernet LAN Port for LAN Server connectivity
- USB Port for Printer or 3G Modem
- Highly configurable but easy to install and monitor

[Overview](#) [WiFi](#) [Voice-over-IP](#) [3G](#) [NAS](#) [Dial-up](#) [Backup](#) [Specification](#) [Screenshots](#) [Accessories](#)  
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## Vigor 2820 Series ADSL Router Firewall

The Vigor 2820 series is DrayTek's flagship premium ADSL router/firewall family. Packed with features, the Vigor 2820 offers truly comprehensive ADSL connectivity and security. PC Pro says *"For business, it's an obvious choice"*

Compatible with all variants of ADSL (including ADSLMax, ADSL2+ and Annex M) the Vigor 2820 can also be used for cable-modem and leased line applications thanks to its additional WAN port (Ethernet). A Gigabit Ethernet port on the LAN side provides high speed connectivity for your server (or uplink to a larger Ethernet Switch). Security features include content filtering, web application controls and a new object based firewall management system.

### Robust & Comprehensive Firewall

Security is taken seriously on the Vigor 2820 Series. The firewall features measures for protection against attacks including DoS (Denial of Service) attacks, IP-based attacks and access by unauthorised remote systems. Wireless, Ethernet and VPN are also protected by various protection systems (see later). A new DrayTek object-based firewall allows even more setup flexibility than ever, enabling you to create combinations of users, rules and restrictions to suit multi-departmental organisations.

Content control features of the firewall allow you to set restrictions on web site access, blocking download of certain file types, blocking specific web sites, blocking IM/P2P applications or other potentially harmful or wasteful content. Using the **SurfControl** site categorisations enable you to block whole categories of web sites (e.g. gambling, adult sites etc.), subject to subscription

### Dual-WAN Load Balancing & Backup

As well as the primary ADSL interface, the Vigor 2820 features a secondary WAN port for Internet access. This is an Ethernet interface and can connect to a second ADSL modem, cable modem or any other Ethernet-based Internet feed. The secondary interface can be used either for **WAN-Backup** or **load balancing**.

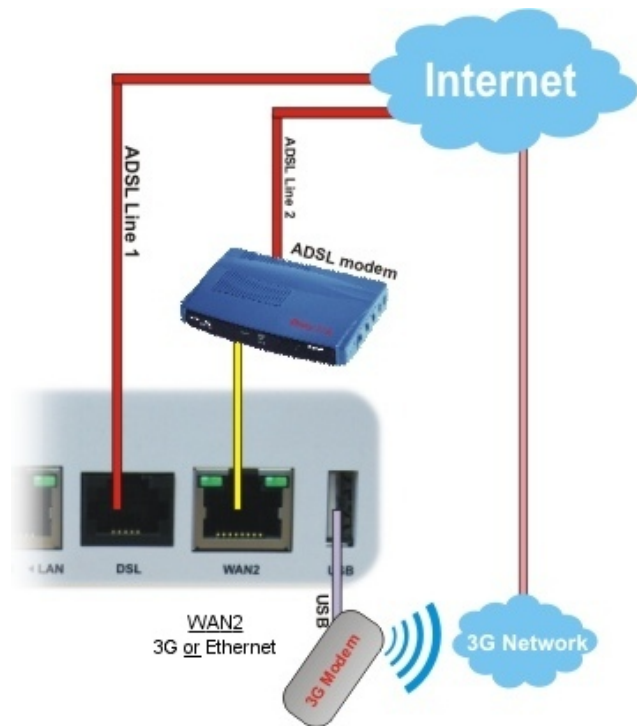
WAN-Backup provides contingency (redundancy) in case of your primary ADSL line or ISP suffering temporary outage). Internet Traffic will be temporarily routed via the secondary Internet access. When normal services is restored to your primary ADSL line, all traffic is switch back to that.

If you don't have ADSL, the Ethernet WAN port can instead be used as your primary/only Internet connection (using NAT) so the same router can be used for either ADSL or Ethernet Internet connections.

The USB port provides an alternative connection method for Internet backup by connecting to a compatible USB modem (or cellphone) for access to the high speed **3G cellular networks** from UK providers such as Vodafone, Orange, 3 and T-Mobile. If you don't have ADSL at all, the USB/3G access method can be used as your primary/only Internet connection, ideal for temporary locations, mobile applications or where broadband access is not available. In addition you can instead connect a compatible analogue modem to use analogue dial-up connections for failover in the event of your broadband failing. See seaprates page for more details on both 3G and analogue dial-up.

On the ISDN-equipped model ([Vigor2820VSn](#)) you can instead use ISDN for dial-in or dial-out connectivity and backup.

Note : For WAN failover you can use only one method at a time, e.g. Ethernet, 3G or analogue connections.



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