



Vigor 2860 Series ADSL



Vigor 2860 Series ADSL/VDSL Router **SME**



- Supports VDSL2, ADSL, 3G/4G and Ethernet-based Broadband
- BT SIN 498 MCT Approved - **New!**
- 3-WAN Simultaneous : VDSL/ADSL, Ethernet and 3G/4G (USB)
- Up to two 3G/4G/LTE USB modems can be used
- **Wireless Management** of compatible DrayTek APs
- IPv6 Ready - See below for feature support
- Dual-band (2.4/5Ghz) simultaneous wireless (2860n-Plus & 2860ac)
- Extended **DFS frequency range** in 5Ghz band
- DrayTek Firewall with huge flexibility
- 6-Port Gigabit Ethernet LAN Switch
- Temperature Monitoring (optional **Thermometer**)
- Wireless Guest Portal
- Multiple Private LAN Subnets
- SMS (Text Message) Alert
- VLANs (Port, 802.1q & Wireless)- **Info**
- Includes **SmartMonitor** software
- Content Filtering (by keyword, data type or category)
- LDAP Integration for VPN and user access
- QoS (Layer 2&3, 802.1p & TOS/DCSP)
- Up to 32 VPN tunnels for LAN-to-LAN or teleworkers
- VPN Trunk/Backup to remote sites
- SSL VPN - Tunnel or Proxy (5 users)
- USB Port for Printer, Logs or 3G Modem
- Optional **VigorCare** Available

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Vigor 2860 Series VDSL/ADSL Router Firewall

The Vigor 2860 series (including the Vigor 2860n and Vigor 2860Vn) is our new router/firewall which can support either ADSL or VDSL (BT Infinity™/FTTC). This makes the Vigor 2860 ideal for users with ADSL now who might upgrade to VDSL later. Alternative WAN ports can instead provide connectivity to Ethernet feeds, secondary xDSL modems or a 3G/4G cellular service using a supported USB adaptor. This latest router series includes support for professional features such as VLAN tagging, Gigabit Ethernet built-in WiFi ('n' models).

Packed with professional-level features, the Vigor 2860 series offers truly comprehensive DSL connectivity and security. Compatible with all UK variants of ADSL (including ADSL2+ and Annex M), VDSL and VDSL2, the Vigor 2860 can also be used for cable-modem, leased line and EFM applications using its Gigabit Ethernet WAN port. On VDSL, the Vigor 2860 series supports the very latest services for speeds up to 80Mb/s (depending on line quality and length).

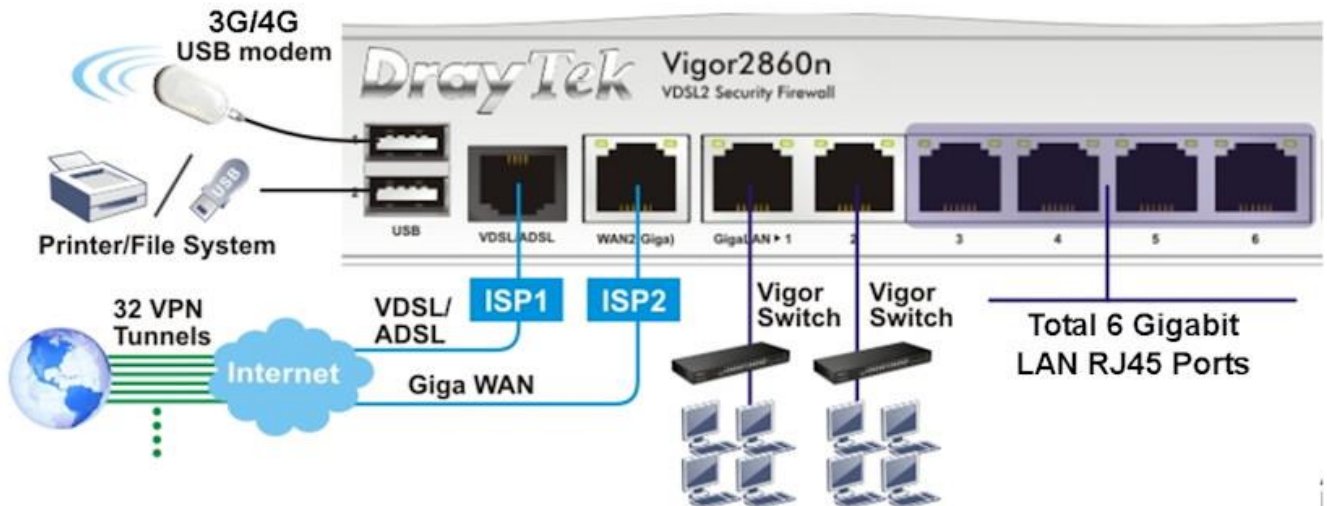


A 6-port Gigabit Ethernet switch on the LAN side provides high speed connectivity for your server, other local PCs or for uplink to a larger Ethernet switch. Comprehensive security features include content filtering, web application controls and an object based firewall management system.

Runs on either ADSL or VDSL

The Vigor2860's built in DSL interface will connect to either an ADSL or VDSL line. If you have a second line (of either type) you can add an additional [modem](#) (or your existing modem from your other line) to the Vigor2860's Ethernet WAN ports. You can set the two lines up in load balancing mode, where traffic is split across both of them, or into failover mode, where the other DSL line only kicks-in if your primary DSL line fails (or vice versa). ADSL makes a particularly good method of failover for VDSL because they are delivered differently. VDSL service is provided and powered by a cabinet in your street - that's where the line terminates. ADSL service, on the other hand, comes all the way from your local exchange, which could be miles away and is powered from there. That means that if your street's VDSL cabinet is damaged, its DSLAM fails or you lose power to your street, you lose VDSL, but your ADSL line comes via a different method

and route, so it's less likely that both would be affected. These failover methods can also be used instead for the other WAN ports on the router (Ethernet or 3G).



Robust & Comprehensive Firewall

Security is always taken seriously with DrayTek routers. The firewall protects 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. The latest ('Version 3') 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. The Vigor 2860 now also allows selective direction firewall rules of LAN to WAN, WAN to LAN or LAN to VPN. In addition, QoS (Quality of Service Assurance) can now be selectively applied to specific users.

IPv6 - Next Generation Internet Routing

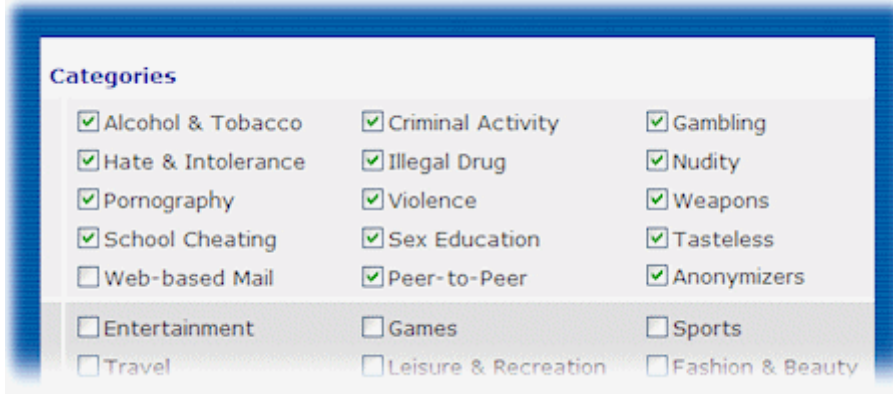
The Vigor 2860 supports IPv6 - the successor to the current IPv4 addressing system that has been used since the Internet was first created. IPv4 address space is full up and IPv6 allows for much more efficient routing and a larger address space. IPv6 is supported both from your own ISP, but if your ISP does not (yet) support IPv6, the Vigor 2860 also supports IPv6 broker/tunnel services to provide IPv6 access using either TSPC or AICCU via 3rd party IPv6 providers. To learn all about IPv6, you can get our detailed guide to IPv6 [here](#).

IPv6 on the Vigor 2860 series provides the following features:

- Operation on any one of the WAN ports (ADSL/VDSL, Ethernet or 3G)
- Connectivity to direct native IPv6 ISPs
- Built-in tunneling to 3rd party IPv6 brokers supporting TSPC or AICCU methods
- Default stateful firewall for all IPv6 LAN Clients/Devices
- DHCPv6 Client or Static IPv6 Client
- DHCPv6 & RADVD for client configuration
- IP Filtering Rules



Web Content Filtering

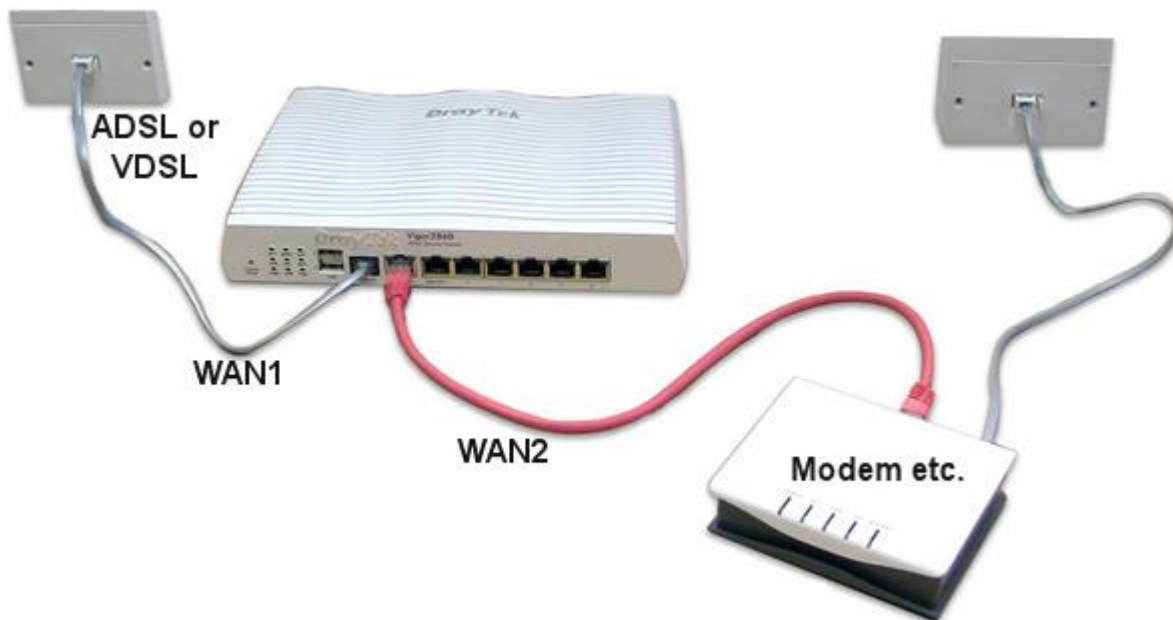


The content control features of the Vigor 2860 allows you to set restrictions on web site access, blocking download of certain file or data types, blocking specific web sites with whitelists or blacklists, blocking IM/P2P applications or other potentially harmful or wasteful content. Restrictions can be per user, per PC or universal. Using DrayTek's GlobalView service, you can block whole categories of web sites (e.g. gambling, adult sites etc.), subject to an annual subscription to the Globalview service, which is continuously updated with new or changed site categorisations or sites which have become compromised (such as infected with Malware). A free 30-day trial is included with your new router.

WAN Load Balancing & Backup

The Vigor 2860 features three methods of WAN connectivity - ADSL/VDSL, Ethernet (Gigabit, switchable with LAN6) and a USB port for connection of a 3G modem. The Ethernet port can connect to a second ADSL modem (e.g. Vigor 120), a cable modem or any other Ethernet-based Internet feed. The multiple WAN interfaces can be used either for **WAN-Backup** or **load balancing**. Load-balancing or failover supports IPv4 only currently.

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 switched back to that.



The Vigor 2860 can connect directly to an ADSL or VDSL line. WAN2 is a Gigabit Ethernet port and can connect to a secondary modem/connection, such as another DSL modem.

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

The USB port provides Internet connectivity (main, backup or load balanced) by connecting to a compatible USB modem (or cellphone) for access to the high speed **3G/4G/LTE cellular networks** from UK providers such as Vodafone, O2, 3 and EE. If you don't have DSL at all, the USB/3G/4G access method can be used as your primary/only Internet connection, ideal for temporary locations, mobile applications or where broadband access is not available. Alternatively, if you will be making more regular use of 3G/4G/LTE, consider the [Vigor 2860Ln](#) model with its built-in cellular modem & SIM slot.

User Management/Authentication

The Vigor 2860 has built-in user management which allows you to provide conditional internet access to different users based on their own unique login (stored in the router, or on an external Radius server). For full details of this feature, [click here](#).

802.1q Tagged, Wireless & Port Based VLAN

The Vigor 2860 features a hugely flexible VLAN system. Each of the six Gigabit LAN ports can be isolated from each other, for example to feed different companies or departments but keeping their local traffic completely separated. For a full explanation of VLANs, [click here](#).

Rack Mounting Kit



The RM1 Rackmount Bracket enables you to fit any Vigor2860 series router into a standard 19" rack or cabinet. The bracket takes up one rack slot (1U) and includes a cable retainer at the back to keep the power cord captive. The front mounted sockets of the router remain fully accessible. For wireless models, we then recommend extension aerials (or aerial extensions).