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TELECOMMUNICATIONS

Vigor 2832 Series ADSL Router SME

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- Supports ADSL, 3G/4G (USB) and Ethernet-based Broadband
- 4-WAN Simultaneous : ADSL, Ethernet and USB 3G/4G
- Up to two 3G/4G/LTE USB modems can be used
- IPv6 Ready - See below for feature support
- 802.11n 2.4GHz Wireless LAN (on Vigor2832n)
- DrayTek Firewall with huge flexibility
- Temperature Monitoring (optional Thermometer)
- Wireless Guest Portal
- Multiple Private LAN Subnets
- SMS (Text Message) Alert via 3rd party server
- VLANs (Port, 802.1q based & Wireless)
- Supports DrayTek SmartMonitor software (30 users)
- 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 (PPTP/L2TP/IPsec)
- Up to 10 SSL VPN Tunnels
- VPN Trunk/Backup to remote sites
- USB Port for Printer, Logs or 3G/4G Modem
- Optional VigorCare Available

Vigor 2832 Series ADSL Router Firewall

The Vigor 2832 series (including the Vigor 2832n) is our new router/firewall for ADSL lines. Alternative WAN ports can insead provide connectivity to Ethenet 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 2832 series is compatible with all UK variants of ADSL (including ADSL2+ and Annex M) and the Vigor 2832 can also be used for cable-modem, leased line and EFM applications using its Gigabit Ethernet WAN port.

A 4-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.

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 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 2832 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 2832 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 2832 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 2832 series provides the following features:

* Operation on any one of the WAN ports (ADSL/VDSL, Ethernet or 3G/4G)
* 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

- Simultaneous (concurrent) operation with IPv4 ("Dual-Stack")
- Other router features are available on IPv4 only currently


Web Content Filtering
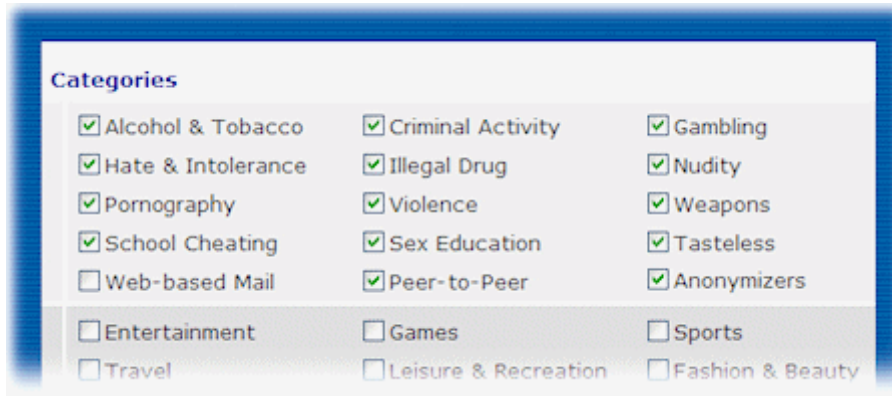
The content control features of the Vigor 2832 allows you to set restrictions on web site access, blocking download of certain file or data types, blocking specific web sites with whitelists or blacklists, blocking IM/P2P applications or other potentially harmful or wasteful content. Restrictions can be per user, per PC or universal. Using DrayTek's Cyren 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 to Cyren content filtering is included with your new router.

WAN Load Balancing & Backup

The Vigor 2832 features three methods of WAN connectivity - ADSL, Ethernet (Gigabit) and two USB ports for connection of a 3G/4G modem. The Ethernet port can connect to a second ADSL or VDSL modem (e.g. Vigor 120 or Vigor 130), 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.
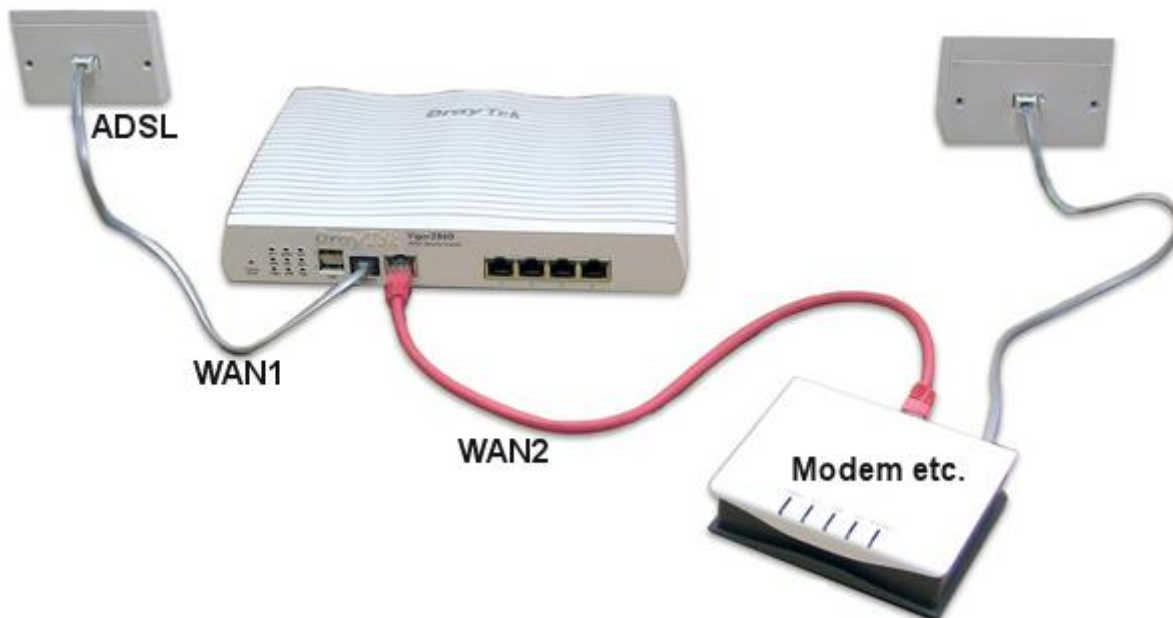
The Vigor 2832 can connect directly to an ADSL / ADSL2+ line. WAN2 is a Gigabit Ethernet port and can connect to a secondary modem/connection, such as another ADSL or VDSL modem.

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 regardless of whether you have xDSL or Ethernet Internet connections currently.

The USB ports provide Internet connectivity (main, backup or load balanced) by connecting to a compatible USB modem (or cellphone) for access to the high speed **3G / 4G cellular networks** from UK providers such as Vodafone, O2, 3 and EE / BT. If you don't have ADSL 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.

Rack Mounting Kit

The RM1 Rackmount Bracket enables you to fit any Vigor2832 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).

VPN - Linking remote offices, HQ, teleworkers and mobile staff

A feature central to DrayTek routers is the VPN (Virtual Private Networking) features. A VPN enables you to link two remote offices, branch offices back to HQ or home-based/mobile teleworkers back to your office. Once connected, they have access to your

office/remote resources through a secure encrypted tunnel allowing remote desktop, file sharing and seamless access to other resources and devices.

The Vigor 2832 allows you to set up up to 32 simultaneous VPN tunnels to remote offices or teleworkers using PPTP, IPsec or L2TP protocols. Teleworkers can authenticate directly with your LDAP server if preferred. The Vigor 2832 also allows remote workers to dial-in with SSL VPNs with up to 10 simultaneous SSL VPN tunnels.
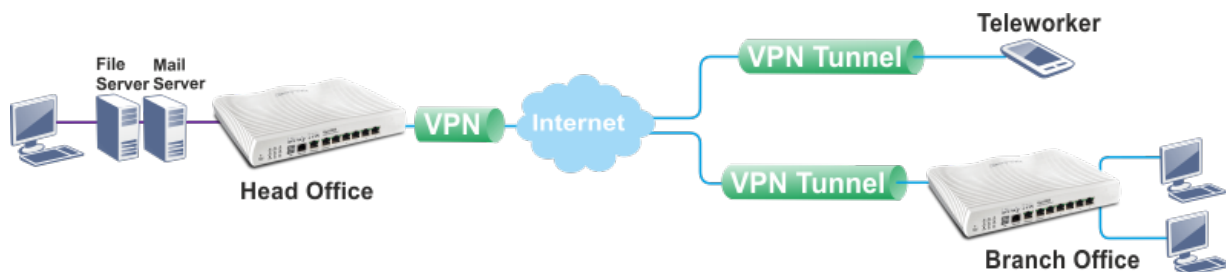
You can learn more about DrayTek VPNs generally here and SSL VPNs here.