Vigor2830 Series
ADSL2+ Security Router/Firewall

DrayTek

- ADSL2/2+ Router with comprehensive Firewall & VPN functionality
- Built-in Gigabit LAN switch and 802.11n WLAN with optional dual-band (2.4/5.8 GHz)
- WAN2 (Gigabit Ethernet) for high speed broadband connectivity
- USB port for network FTP, printer and 3G mobile broadband connectivity
- Load-balancing for ADSL, WAN2 and 3G mobile connectivity

The Vigor2830 is our flagship ADSL business-class router series, integrating the security and connectivity that you need to make your online experience flexible, safe and efficient.

Comprehensive Connectivity

Compatible with all variants of ADSL, the Vigor2830 can also be used for cable-modem and leased line applications using its additional Gigabit ethernet WAN port. A third WAN connectivity option is provided via the Vigor2830's USB port, to which you can connect a 3G modem for connection to any of the UK's cellular networks, instead of or in addition to your other Internet connections. A 4-port Gigabit LAN switch side provides high speed connectivity to PCs or additional switches. On the wireless-enabled models, the latest 802.11n connectivity is secured using multiple security methods to protect your LAN and your bandwidth from unauthorised or prohibited use.

Robust Firewall & Secure VPN

Of course, DrayTek's router products aren't just about flexibility and connectivity. We have always taken security seriously, and the Vigor2830 provides not only flexible and reliable firewalling and protection from external attacks. DrayTek's new object-based firewall provides flexibility in setup and this all combines to give your confidence in your network security. DrayTek's VPN functionality on the Vigor 2830 provides compatibility with all common VPN and encryption technologies to create secure inter-branch or teleworker connections through highly secure tunnels.

Content Filtering

A vast array of content filtering features lets you control what your own users can use their Internet connectivity for. This not only enforces company AUPs (Acceptable Use Policies) to reduce employee time-wasting, it stops your Internet bandwidth being clogged up by high volume activities. You can block web content by specific name (Facebook, Ebay etc.), by category (Gambing, social media, pornography) as well as block data types (FTP, SMTP, P2P). Different users can have different rights and time schedules can be applied to relax the rules at different times. With built-in user management, you can prevent any computer from accessing your Internet connection without a username or password, or give them time budgets.

For categoric web site filtering, a DrayTek Globalview subscription provides you with 64 different categories of web sites (adult, gambing, social media etc.). Every web site is checked and blocked if you prohibit that category, or if the site has been compromised.

Triple-WAN Load Balancing & Backup

As well as the primary ADSL (WAN) interface, the Vigor 2830 features two other WAN connections. WAN2 is Ethernet (Gigabit) and WAN3 is a USB port for connection to a 3G modem or analogue dial-up modem. WAN2 (Ethernet) 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.

WAN-Backup provides contingency (redundancy) in case of your primary line or ISP suffering temporary outage. When normal services is restored to your primary line, all traffic is switched back to that.

The USB port provides Internet connectivity (main, backup or load balanced) to a compatible 3G USB modem for access to 3G cellular networks. 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.

Easy-to-manage Wireless LAN

The Vigor2830n and Vigor2830Vn include built-in 802.11n wireless access, with comprehensive security, rate control and full integration with the router's VLANs features. Security features include WPA2 encryption, hardware locking and 802.1x authentication, as well as wireless QoS to ensure best performance for mission-critical applications. Multiple SSIDs and guest/limited wireless accounts allow you to separate public Internet from private LAN access.

Integration of Telephony

The Vigor2830Vn provides two analogue phone ports for the connection of regular telephones which are then able to make and receive calls using Voice-over-IP, effectively giving you two extra phone lines. This is ideal for the teleworker who needs additional lines for home working. The cost savings from VoIP include no extra phone line rental and low costs calls from your choice of 'SIP' provider(s). the phones can also be extensions on a central office IP PBX.

Gigabit WAN/LAN

3.5 G Support USB Modem

VPN

MIMO Wireless

VoIP

WAN Protocol
- ADSL2+ (WAN1)
  - DHCP Client
  - Static IP
  - PPPoE / PPPoA
  - BPA
- Gigabit Ethernet (WAN2)
  - DHCP Client
  - Static IP
  - PPPoE
  - PPTP
  - L2TP
  - BPA
- USB (WAN3)
  - PPP

Multi-WAN
- Outbound Policy-based Load-balance
- BoD (Bandwidth on Demand)
- WAN Connection Failover

USB
- 3G (cellular) as WAN3
- Printer Sharing
- File System :
  - FAT32/FAT16 File System
  - Support FTP for File Sharing

Wireless AP (n model)
- Selectable Dual Band 2.4/5.8Ghz (2830n+ and 2830Vn+ only)
- IEEE802.11n Compliant
- Wireless Client List
- Wireless LAN Isolation
- 64/128-bit WEP
- WPA/WPA2
- Hidden SSID
- WPS
- MAC Address Access Control
- Access Point Discovery
- WDS (Wireless Distribution System)
- 802.1x Authentication
- Multiple SSID
- Wireless Rate-control
- IEEE802.11e: WMM (Wi-Fi Multimedia)
- SSID VLAN Grouping with LAN Port

Firewall
- Multi-NAT, DMZ Host, Port-redirection and Open Port configuration
- Object-based Firewall
- MAC Address Filter
- Stateful Packet Inspection (Flow Track)
- DoS/DDoS Prevention
- IP Address Anti-spoofing
- E-mail Alert and Logging via Syslog
- Bind IP to MAC Address
- Time Schedule Control
- DrayTek Firewall v3

CSM (Content Security Management)
- IM/P2P Application V3 (App Enforcement)
- GlobalView Web Content Filter (Filter by category - requires subscription)
- User Management
- URL Content Filter :
  - URL Keyword Blocking (White/Blacklist)
  - Java Applet, Cookies, ActiveX files
  - Compressed, Exe & Multimedia Files
  - Exception rules/subnets
  - Time Schedule Control

VPN
- Up to 32 VPN Tunnels
- PPTP, IPSec, L2TP or L2TP over IPSec
- Encryption : MPPE and Hardware -based AES/DES/3DES
- Authentication : MD5, SHA-1
- IKE Authentication : Pre-shared Key and Digital Signature (X.509)
- LAN-to-LAN, Teleworker-to-LAN
- DHCP over IPSec
- IPSec NAT-traversal (NAT-T)
- Dead Peer Detection (DPD)
- VPN Pass-through
- VPN Wizard
- mOTP

Bandwidth Management
- QoS :
  - Guarantee Bandwidth for VoIP
  - Class-based Bandwidth Guarantee by User-defined Traffic Categories
  - DiffServ Code Point Classifying
  - 4-level Priority for Each Direction (Inbound /Outbound)
  - Bandwidth Borrowed
- Bandwidth/Session Limitation
- Layer-2 (802.1p) and Layer-3 (TOS/DSCP) QoS Mapping

Network Feature
- Packet Forwarding Acceleration
- DHCP Client/Relay/Server
- IGMP Version 2 and Version 3
- Dynamic DNS
- NTP Client
- Call Scheduling
- RADIUS Client
- DNS Cache/Proxy
- UPnP 30 sessions
- Multiple Subnets
- VLAN Tagging (802.1q) on LAN
- Routing Protocol:
  - Static Routing
  - RIP V2

Switch
- Port-based VLAN
- Triple-Play Application
  - IGMP Snooping
  - Tag-based (802.1q) VLAN
  - Layer-2 (802.1p) QoS

VoIP
- Protocol: SIP, RTP/RTCP
- 12 SIP Registrars
- G.168 Line Echo-cancellation
- Automatic Gain Control
- Jitter Buffer (180ms)
- Voice codec:
  - G.711 • G.723.1 • G.726
  - VAD/CNG • iLBC
- DTMF Tone :
  - Inband • Outband (RFC-2833) • SIP Info
- FAX/Modem Support :
  - Tone Detection • G.711 Pass-through
- Supplemental Services (ITSP Dependent):
  - Call Hold/Retrieve/Waiting
  - Call Waiting with Caller ID
  - Call Transfer
  - Call Forwarding
  - Call Barring (Incoming/Outgoing)
  - DND (Do Not Disturb)
  - MWI (RFC-3842)
  - Hotline
- Dial Plan :
  - Phone Book
  - Digit Map

Network 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/HTTP/TR-069
- Logging via Syslog
- SNMP Management MIB-II
- Management Session Time Out
- 2-level Management (Admin/User Mode)
- TR-069
- TR-104

Hardware Interface
- 4 x 1000Base-TX LAN Switch, RJ-45
- 1 x ADSL2/2+ WAN1 Port, RJ-11
- 1 x 1000Base-TX WAN2 Port, RJ-45
- 3 x Detachable Antennas (n model)
- 2 x FXS Port, RJ-11 (V model)
- 1 x POTS line Port, RJ11 (V model)
- 1 x USB 2 Host (for Printer/3G USB Modem)
- 1 x Factory Reset Button
- 1 x Wireless On/ Off/ WPS Button

*Firmware Upgradeable

	VoIP	WLAN	Dual-band
Vigor2830			
Vigor2830n		●	
Vigor2830n+		●	●
Vigor2830Vn	●	●	
Vigor2830Vn+	●	●	●