

DrayTek

Vigor2765 Series

VDSL2 35b Supervectoring Modem VPN Router



Vigor2765 Series is a VDSL2 35b supervectoring modem, a firewall, and a VPN router. The router has 4x GbE LAN port, one of which is switchable to be a backup WAN interface. It's highly configurable for an abundance of features including web content filtering, bandwidth limit, QoS and lots more, perfect for professional users who would like to take full control of the network. The series includes models with built-in 11ac Wave 2 WiFi, 802.11ax WiFi, and fiber WAN.

VDSL2 35b

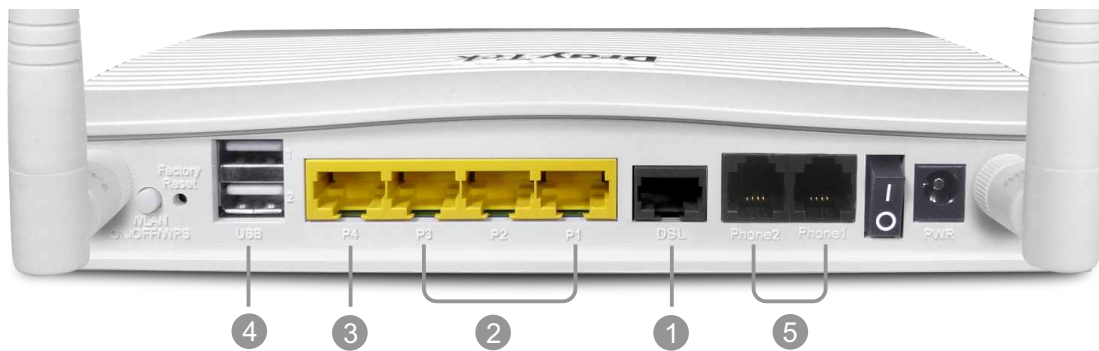
900 Mbps

50k Sessions

AX3000

Max. NAT Throughput

(ax model only)



Interface

| | |
|---------------------------|---|
| ① Fixed WAN Port | 1 x RJ-11 for VDSL2 35b or ADSL2/2+ |
| ② Fixed LAN Port | 3 x 10/100/1000Base-T, RJ-45 |
| ③ LAN/WAN Switchable Port | 1 x 10/100/1000Base-T, RJ-45 (P4) |
| ④ USB Port | 2 x USB 2.0 |
| ⑤ VoIP | 2 x FXS, RJ-11 (V model) |
| Button | 1 x Factory Reset 1 x Wireless On/OFF/WPS (wireless model) |

DSL

| | |
|-----------------|---|
| VDSL Standards | ITU-T G.993.2 Annex A/B/M/Q (up to Profile 35b but excluding 30a), T1.424, ITU-T G.993.5 (Vectoring) |
| VDSL2 Profile | 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a, 35b (not G.fast) |
| ADSL Standards | ITU-T G.992.1 (G.dmt), ITU-T G.992.3 (G.dmt.bis), ITU-T G.992.5 (ADSL2+) (G.adslplus), T1.413 Issue 2 |
| Other Standards | ITU-T G.994.1 (G.hs), ITU-T G.997.1 (G.ploam), ITU-T G.998.4 (Retransmission) |
| Band Plan | 997, 998 |

| | WLAN | VoIP |
|----------------|------|------|
| Vigor2765 | | |
| Vigor2765ac/ax | ● | |
| Vigor2765Vac | ● | ● |

Internet Connection

| | |
|----------------------|--|
| IPv4 | PPPoE, PPPoA, DHCP, Static IP, MPoA, PPTP/L2TP |
| IPv6 | PPP, DHCPv6, Static IPv6, TSPC, AICCU, 6rd, 6in4 Static Tunnel |
| Multi-VLAN/PVC | • |
| WAN Failover | • |
| Connection Detection | ARP, Ping |
| WAN Data Budget | • |
| Dynamic DNS | • |
| DrayDDNS | • |

LAN Management

| | |
|-----------------------------|---|
| VLAN | 802.1q Tag-based, Port-based |
| Max. Number of VLAN | 8 |
| Number of LAN Subnet | 4 |
| DHCP Server | Multiple IP Subnet, Custom DHCP Options, Bind-IP-to-MAC |
| Wired 802.1x Authentication | • |
| Port Mirroring | • |
| Local DNS Server | • |
| Conditional DNS Forwarding | • |
| Hotspot Web Portal | • |
| Hotspot Authentication | Click-Through, Social Login, SMS PIN, Voucher PIN, RADIUS, External Portal Server |

Networking

| | |
|-----------------------|---|
| Routing | IPv4 Static Routing, IPv6 Static Routing, Inter-VLAN Routing, RIP v1/v2 |
| Policy-based Routing | Protocol, IP Address, Port, Domain, Country |
| DNS Security (DNSSEC) | • |
| IGMP | IGMP v2/v3, IGMP Proxy, IGMP Snooping & Fast Leave |
| SMB File Sharing | • (Requires external storage) |

VPN

| | |
|-----------------------|---|
| LAN-to-LAN | • |
| Teleworker-to-LAN | • |
| Protocols | PPTP, L2TP, IPsec, L2TP over IPsec, SSL, IKEv2, IKEv2-EAP, IPsec-XAuth, OpenVPN |
| User Authentication | Local, RADIUS, mOTP |
| IKE Authentication | Pre-Shared Key, X.509 |
| IPsec Authentication | SHA-1, SHA-256, MD5 |
| Encryption | MPPE, DES, 3DES, AES128, AES192, AES256 |
| Single-Armed VPN | • |
| NAT-Traversal (NAT-T) | • |
| DrayTek VPN Matcher | • |

VoIP (V model)

| | |
|----------------|---|
| Protocol | SIP, RTP/RTCP, ZRTP |
| SIP Registrars | 6 |
| Dial Plan | Phone Book, Digit Map, Call Barring, Regional |
| Call Features | Call Waiting, Call Transfer, Scheduled DND, Hotline |
| Voice Codec | G.711 A/u law, G.726, G.729 A/B |
| Caller ID | FSK_ETSI, FSK_BELLCORE, DTMF |

Firewall & Content Filtering

| | |
|--------------------------|---|
| NAT | Port Redirection, Open Ports, Port Triggering, DMZ Host, UPnP |
| ALG | SIP, RTSP, FTP, H.323 |
| VPN Pass-Through | PPTP, L2TP, IPsec |
| IP-based Firewall Policy | • |
| Content Filtering | Application, URL, DNS Keyword, Web Features, Web Category* (*: subscription required) |
| DoS Attack Defense | • |
| Spoofing Defense | • |

Wireless LAN (ac/ax model)

| | |
|------------------|---|
| WiFi 6 | • (ax model) |
| Number of SSID | 4 per radio band |
| Security Mode | OWE, WEP, WPA, WPA2, Mixed(WPA+WPA2), WPA3 |
| Authentication | Pre-Shared Key, 802.1X |
| OFDMA | • (ax model) |
| WPS | PIN, PBC |
| WDS | Repeater (5GHz only) |
| Access Control | Access List, Client Isolation, Hide SSID, WLAN Scheduling |
| AirTime Fairness | • |
| Band Steering | • |
| MU-MIMO | • (5G Only) |
| WMM | • |

Bandwidth Management

| | |
|--------------------------|--|
| IP-based Bandwidth Limit | • |
| IP-based Session Limit | • |
| QoS (Quality of Service) | TOS, DSCP, 802.1p, IP Address, Port, Application |
| VoIP Prioritization | • |

Management

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|----------------------------------|---------------------------------------|
| Local Service | HTTP, HTTPS, Telnet, SSH, FTP, TR-069 |
| Config File Export & Import | • |
| Firmware Upgrade | TFTP, HTTP, TR-069 |
| 2-Level Administration Privilege | • |
| Access Control | Access List, Brute Force Protection |
| Notification Alert | SMS, E-mail |
| Netflow | • (v5, v9, IPFIX) |
| SNMP | v1, v2c, v3 |
| Syslog | • |
| Managed by VigorACS | • |
| Central AP Management | 2 VigorAP |
| Mesh Network | 7 VigorAP (ac/ax model) |



Vigor2765ax