

# 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

600 Mbps

Max. NAT Throughput

50k Sessions

AX3000

(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

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## 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

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