DrayTek

Vigor2765 Series

VDSL2 35b Supervectoring Modem VPN Router

Vigor2765 Series is a 35b Supervectoring VDSL 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.
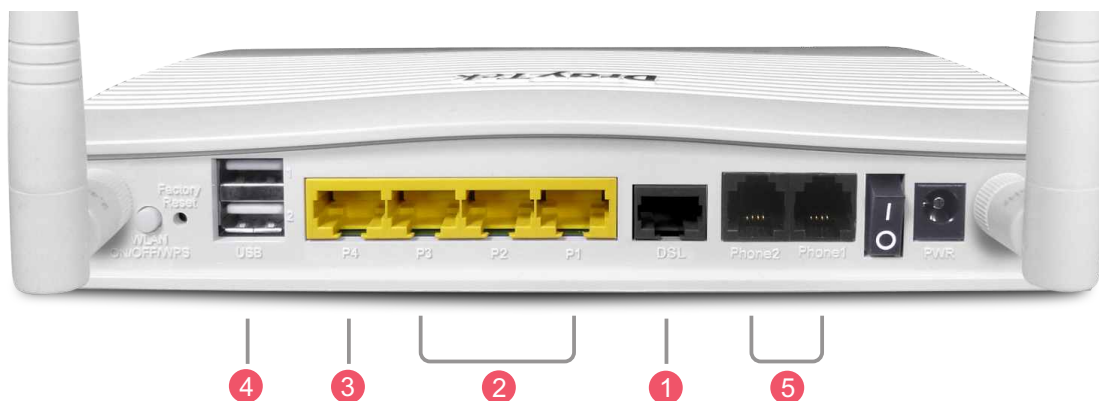
VDSL2 35b
Download speed up to 300 Mbps

600 Mbps
Max. NAT Throughput

2 VPN
Support IKEv2, SSL VPN, and OpenVPN

50k Sessions
Recommended for 30 clients

❶	Fixed WAN Port	1 x RJ-11, VDSL2 35b/ADSL2+
❷	Fixed LAN Port	3 x GbE, RJ-45
❸	Switchable WAN/LAN Port	1 x GbE, RJ-45
❹	USB Port	2 x USB 2.0
❺	VoIP	2 x FXS, RJ-11

Key Features

35b Supervectoring Modem
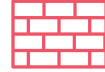Integrated VDSL modem with 35b Supervectoring compatibility and VDSL2/ADSL2+ fallback.

DrayDDNS
The free DDNS service for you to access the router by a fixed hostname of your choice.

VPN (Virtual Private Network)
Build a secure and private tunnel from the LAN of Vigor2765 Series to the remote offices and teleworkers over the Internet.

Firewall & Content Filter
Filter web pages by URL keyword or web category to block access to insecure or inappropriate contents.

Bandwidth Management
Prevent one device using all the bandwidth by bandwidth limit policy, session limit policy, and QoS settings.
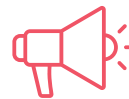
Central AP Management
Use the Vigor2765 Series router as a wireless controller to maintain and monitor the VigorAPs

VoIP Friendly
Vigor2765 Series can do port forwarding and reserve bandwidth for VoIP traffic automatically, making VoIP setup effortless.

Hotspot Web Portal
Market your business and communicate with the guests while offering hospitality Wi-Fi.

Specification

Interface

Fixed WAN Port	1 x RJ-11 for VDSL2 or ADSL2/2+
WAN/LAN Switchable Port	1 x 10/100/1000Base-TX, RJ-45 (P4)
Fixed LAN Port	3 x 10/100/1000Base-TX, RJ-45
USB Port	2 x USB 2.0
2.4G WLAN	802.11n 2x2 MIMO 400 Mbps (ac model)
5G WLAN	802.11ac Wave 2 2x2 MIMO 867 Mbps (ac model)
FXS RJ-11	2 (Vac model)

VDSL/ADSL

VDSL Standards	ITU-T G.993.1 (VDSL), G.997.1, G.993.2 (VDSL2)
VDSL2 Profile	8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a, 35b (Supervectoring)
VDSL Band Plan	997, 998
ADSL Standards	ANSI T1.413, ITU-T G.992.1(G.dmt), G.992.2 (G.lite)
ADSL2 Standards	ITU-T G.992.3, G.992.3 Annex M/J
ADSL2+ Standards	ITU-T G.992.5, G.992.5 Annex M/J

Performance

Max. Throughput on VDSL	300 Mbps
NAT Throughput	600 Mbps
IPsec VPN Performance	200 Mbps (AES 256 bits)
SSL VPN Performance	80 Mbps
Max. Number of NAT Sessions	50,000
Max. Concurrent VPN Tunnels	2

Notes :
The throughput figures are maximum, based on DrayTek internal testing with optimal conditions. The actual performance may vary depending on the different network conditions and applications activated.

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	2
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
Policy-based Routing	Protocol, IP Address, Port, Domain, Country
High Availability	●
DNS Security (DNSSEC)	●
Multicast	IGMP Proxy, IGMP Snooping & Fast Leave, Bonjour
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)	●

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	●

Bandwidth Management

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

Wireless LAN (ac model)

Number of SSID	4 per radio
Security Mode	WEP, WPA, WPA2, Mixed(WPA+WPA2)
Authentication	Pre-Shared Key, 802.1X
WPS	PIN, PBC
WDS Repeater	● (5GHz only)
Access Control	Access List, Client Isolation, Hide SSID, Wi-Fi Scheduling
AirTime Fairness	●
Band Steering	●
MU-MIMO	●
Beamforming	●
WMM	●

VoIP (V model)

Protocol	SIP, RTP/RTCP, ZRTP
SIP Registrars	12
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

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
SNMP	v1, v2c, v3
Syslog	●
Managed by VigorACS	●
Central AP Management	2 VigorAP

	WLAN		
	2.4 GHz	5 GHz	VoIP
Vigor2765			
Vigor2765ac	●	●	
Vigor2765Vac	●	●	●