

DrayTek

Vigor2865 Series

VDSL2/ADSL + GbE Dual-WAN VPN Router



Vigor2865 Series is a VDSL2/ADSL2+ Security Firewall router integrating a DSL modem which is compatible with variants of ADSL and VDSL, including profile 35b Super Vectoring. There is also a Gigabit Ethernet WAN port for broadband connections to share the traffic load or serve as a failover connection. 3G/4G/LTE USB modem can also be attached to the USB ports of the router, and offer wireless Internet connectivity in case the fixed lines are not available.

VDSL2 35b

Download speed up to 300 Mbps

Up to 4 WAN

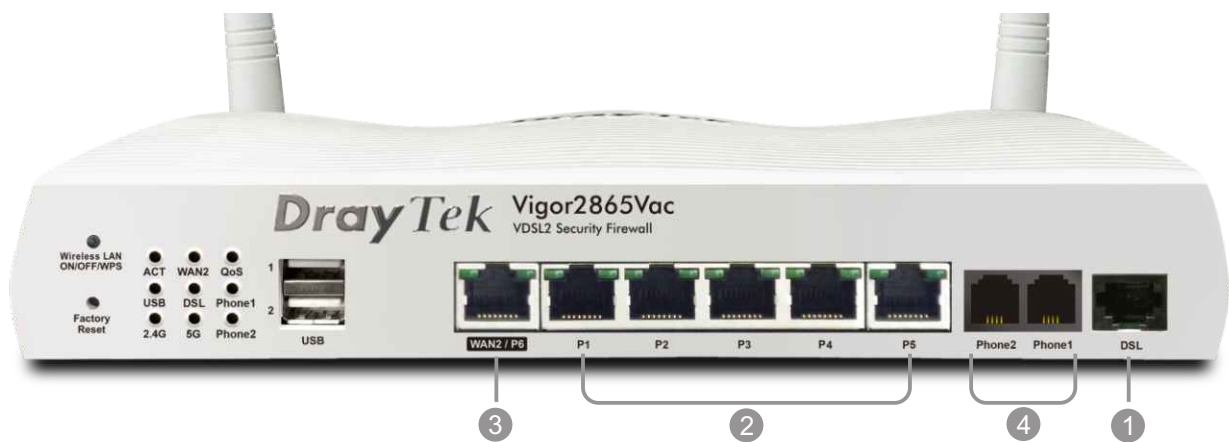
Load balancing, NAT throughput up to 800 Mbps

32 VPN

IPsec VPN throughput up to 300 Mbps

60k Sessions

Recommended for 30 clients



Fixed WAN Port

- ① 1 x RJ-11, VDSL2 35b/ADSL2+

Fixed LAN Port

- ② 5 x GbE, RJ-45

Switchable WAN/LAN Port

- ③ 1 x GbE, RJ-45

VoIP

- ④ 2 x FXS, RJ-11

Key Features



Load Balancing

Maximize throughput and reliability by using multiple Internet connections.



Central AP Management

Use the Vigor2865 router as a wireless controller to maintain and monitor the VigorAPs.



35b Supervectoring Modem

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



Central Switch Management

Set up VLAN easily from the router and get a centralized hierarchy view of the switches.



VPN (Virtual Private Network)

Build a secure and private tunnel from the LAN of Vigor3910 to the remote offices and teleworkers over the Internet.



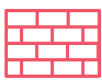
SSL VPN

The VPN works through firewalls providing secure remote access to any network environment.



Wireless WAN (Wireless model only)

Get Internet access wirelessly from a Wi-Fi network, a mobile hotspot, or a personal hotspot set up on smartphones.



Firewall & Content Filter

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



QoS for VoIP

Give first priority to VoIP traffic to improve your call quality, and monitor VoIP statistics from the router.



Bandwidth Management

Prevent one device using all the bandwidth by bandwidth limit policy, session limit policy, and QoS settings.

Specification

Interface

Fixed WAN Port	1 x RJ-11 for VDSL2 or ADSL2/2+
WAN/LAN	1 x 10/100/1000Base-TX, RJ-45
Switchable Port	
Fixed LAN Port	5 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 MU-MIMO 867 Mbps (ac model)
LTE Antenna	2 x with FME connector (L model)
SIM Slot	2 x Standard-Sized (L model)
RJ-11 Port for Voice	2 x FXS (V model)

Performance

NAT Throughput	800 Mbps
IPsec VPN Performance	300 Mbps (AES 256 bits)
SSL VPN Performance	120 Mbps
Max. Number of NAT Sessions	60,000
Max. Concurrent VPN Tunnels	32
Max. Concurrent OpenVPN	16
+ SSL VPN	

VDSL/ADSL

VDSL Standards	G.993.2 (VDSL2), G.993.5 (vectoring)
VDSL2 Profile	8a, 8b, 8c, 8d, 12a, 12b, 17a, 35b
ADSL Standards	ANSI T1.413, ITU-T G.992.1(G.dmt)
ADSL2 Standards	ITU-T G.992.3 Annex A/L/M
ADSL2+ Standards	ITU-T G.992.5 Annex A/M

Networking

Routing	Ipv4 Static Routing, IPv6 Static Routing, Inter-VLAN Routing, RIP, BGP
Policy-based Routing	Protocol, IP Address, Port, Domain, Country
High Availability	•
DNS Security (DNSSEC)	•
Multicast	IGMP Proxy, IGMP Snooping & Fast Leave, Bonjour
Local RADIUS server	•
SMB File Sharing	• (Requires external storage)

LAN Management

VLAN	802.1q Tag-based, Port-based
Max. Number of VLAN	16
DHCP Server	Multiple IP Subnet, Custom DHCP Options, Bind-IP-to-MAC
LAN IP Alias	•
Wired 802.1x Authentication	•
Port Mirroring	•
Local DNS Server	•
Conditional DNS Forwarding	•
Hotspot Web Portal	•
Hotspot Authentication	Click-Through, Social Login, SMS PIN, RADIUS, External Portal Server

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 VPN Management	8 VPN
Central AP Management	20 VigorAP
Central Switch Management	10 VigorSwitch

Bandwidth Management

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

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.723.1, G.726, G.729 A/B
Caller ID	FSK_ETS1, FSK_BELLCORE, DTMF

VPN

LAN-to-LAN	•
Teleworker-to-LAN	•
Protocols	PPTP, L2TP, IPsec, L2TP over IPsec, SSL, GRE, IKEv2, IKEv2-EAP, IPsec-XAuth, OpenVPN (Host to LAN)
User Authentication	Local, RADIUS, LDAP, TACACS+, mOTP
IKE Authentication	Pre-Shared Key, X.509
IPsec Authentication	SHA-1, SHA-256
Encryption	MPPE, AES, DES, 3DES
VPN Trunk (Redundancy)	Load Balancing, Failover
Single-Armed VPN	•
NAT-Traversal (NAT-T)	•

Internet Connection

IPv4	PPPoE, DHCP, Static IP, PPTP/L2TP
IPv6	PPP, DHCPv6, Static IP, TSPC, AICCU, 6rd, 6in4 Static Tunnel
802.1p/q Multi-VLAN Tagging	•
Multi-VLAN /PVC	•
3G/4G/LTE WAN with USB modem	•
Load Balancing	IP-based, Session-based
WAN Active on Demand	Link Failure, Traffic Threshold
Connection Detection	ARP, Ping
WAN Data Budget	•
Dynamic DNS	•
DrayDDNS	•

LTE (L model)

LTE (4G) at speeds of up to 300 Mbit/s
SMS Sending/Receiving
SMS Quota

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 model)

Number of SSID	4 per band
Security Mode	WEP, WPA, WPA2, Mixed(WPA+WPA2)
Authentication	Pre-Shared Key, 802.1x
WDS	Bridge, Repeater (5G only)
Access Control	Access List, Client Isolation, Hide SSID, Wi-Fi Scheduling
AirTime Fairness	•
Band Steering	•
MU-MIMO	• (5G Only) (dual-band model)
WMM	•

	WLAN	LTE	VoIP
Vigor2865			
Vigor2865ac	•		
Vigor2865Vac	•		•
Vigor2865L		•	
Vigor2865Lac	•	•	