

DrayTek

Vigor2865 Series

VDSL2/ADSL + GbE Dual-WAN VPN Router



Vigor2865 Series is a VDSL2 35b/ADSL2+ Security Firewall router integrating a DSL modem which is compatible with variants of ADSL and VDSL, including profile 35b supervectoring. There is also a Gigabit Ethernet WAN port for broadband connections to share the traffic load or serve as a failover connection.

VDSL2 35b

Up to 6 WAN

32 VPN

60k Sessions



Interface

| | |
|---------------------------|---|
| ① Fixed WAN Port | 1 x RJ-11 for VDSL2 or ADSL2/+ |
| ② WAN/LAN Switchable Port | 1 x 10/100/1000Base-TX, RJ-45 (WAN 2 or LAN Port 6) |
| ③ Fixed LAN Port | 5 x 10/100/1000Base-TX, RJ-45 |
| ④ USB Port | 2 x USB 2.0 or 1 x USB 2.0 (L model) |
| ⑤ VoIP | 2 x FXS, RJ-11 (V model) |
| Wi-Fi Antenna | 2 x External Dipole (wireless model) |
| LTE Antenna | 2 x External Dipole (L model) |
| SIM Slot | 2 x Standard-Sized (1 SIM online at a time) (L model) |
| Button | 1 x Factory Reset 1 x Wireless On/OFF/WPS (wireless model) |

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 | • |
| Wireless WAN | • (wireless model) |
| 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 | • |

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 |

LAN Management

| | |
|-----------------------------|---|
| VLAN | 802.1q Tag-based, Port-based |
| Max. Number of VLAN | 16 |
| Number of LAN Subnet | 8 |
| 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, Voucher PIN, RADIUS, External Portal Server |

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) |

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 |
| SNMP | v1, v2c, v3 |
| Syslog | • |
| Managed by VigorACS | • |
| Central VPN Management | 8 VPN |
| Central AP Management | 20 VigorAP |
| Central Switch Management | 10 VigorSwitch |

Wireless LAN (Wireless model)

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

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) | • |
| DrayTek VPN Matcher | • |

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

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

LTE (L model)

| | |
|-----------------|--|
| LTE Category | 6 |
| Max. Data Rate | 300 Mbps downlink, 50 Mbps uplink |
| FDD Band | 1 (2100MHz), 3 (1800MHz), 7 (2600MHz), 8 (900MHz), 20 (800MHz) |
| WCDMA (3G) Band | 1, 5, 8 |

For other band availability, please contact your local DrayTek distributor or us.

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_ETSI, FSK_BELLCORE, DTMF |

| | WLAN | | LTE | VoIP |
|--------------|---------|-------|-----|------|
| | 2.4 GHz | 5 GHz | | |
| Vigor2865 | | | | |
| Vigor2865ac | • | • | | |
| Vigor2865Vac | • | • | | • |
| Vigor2865L | | | • | |
| Vigor2865Lac | • | • | • | |