DrayTek

Vigor2862 Series

VDSL2 Security Firewall

- VDSL2/ADSL2+ Router
- Ethernet WAN for Load Balancing or Failover
- 32 Simultaneous VPN Tunnels
- SPI Firewall with Content Filtering
- 2 USB ports for 3G/4G modem or extra storage
- Central Management for VigorAP & Vigor Switch

Vigor2862 Series is a VDSL/ADSL Security Firewall router. Vigor2862 Series can be compatible with variants of ADSL and VDSL, and support fallback to ADSL2/2+ when fail to connect in VDSL2. The Gigabit Ethernet WAN port can be used with a cable-modem to connect to a second line for load balancing or failover. There are also two USB ports can work with 3G/4G/LTE USB modems to add wireless connectivity. Vigor2862 Series covers comprehensive firewall mechanism and content security management (CSM) to offer a secure Network. With the extended number of NAT sessions, Vigor2862 Series can handle more simultaneous connections. In addition, Vigor2862 Series can be a central management solution for Vigor APs and switches. This function provides Network Administrator a simpler way to configure multiple devices.

VDSL Bonding (B model)
The "B" of Vigor2862B and Vigor2862Bn stands for VDSL bonding. It is a technology that combines 2 VDSL lines into a single aggregated connection to double the bandwidth. Please note that VDSL bonding can only be activated when your ISP offers two physical lines from their DSLAM and supports VDSL bonding, rather than a function you can enable or disable on the user interface.

Enterprise-Level VPN
Vigor2862 Series support both LAN-to-LAN and Host-to-LAN VPN with all industry standard tunneling protocols, including PPTP, L2TP, IPsec, GRE, and also SSL VPN. With a dedicated VPN coprocessor for hardware encryption, up to 32 channels can run simultaneously while maintaining the best performance. VPN Trunking for load balancing or failover is also supported to improve the stability and speed of the VPN connections.

Comprehensive Firewall
Vigor2862 has built-in Denial-of-Service defense and comprehensive firewall filters, including packet filtering, web content filtering, and application filtering. These not only protect the network security but also prevent network resource being wasted on non-business related applications.

Centralized Management
Vigor2862 can be the central management portal for all the Vigor devices on the same network, including VigorAPs and Vigor Switches, which allows the administrator to manage all the devices through a single portal. The router itself supports TR-069 protocol and can be remotely managed and monitored through the TR-069-based VigorACS system, thus to reduce the need for on-site technicians.
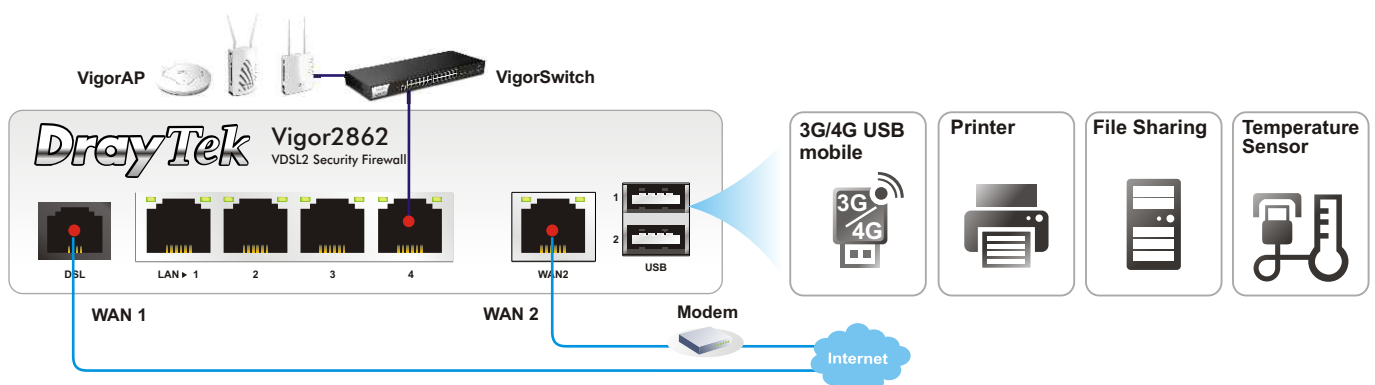
Connectivity

VDSL2/ADSL2/2+
- ITU-T G.993.2 (VDSL2)
- ITU-T G.992.1/3/5 (ADSL1/2/2+) Annex A & Annex B
- DSL Forum Performance Specification: ADSL TR-048/67, TR-100; VDSL: WT-114
- Erasure Decoding, Increased Interleaver Depth and Re-transmission
- EFM (IEEE 802.3 ah)
- VDSL/Bonding Profile: up to 30a

Ethernet WAN
- IPv4 - DHCP Client, Static IP, PPPoE, PPTP, L2TP, 802.1q Multi-VLAN Tagging
- IPv6 - Tunnel Mode: TSPC, AICCU, 6rd, Static 6in4
  Dual Stack: PPP, DHCPv6 Client, Static IPv6
- WAN Connection Fail-over
- WAN Budgets
- Load Balance/Route Policy

Ethernet LAN
- IPv4/IPv6 DHCP Server
- Static Routing/RIP
- Multiple Subnet
- Port/Tag-based VLAN

USB
- 3G/4G Modem as WAN3/WAN4 /Printer Server/File Sharing /Temperature Sensor

VPN

- Up to 32 VPN Tunnels
- Protocol : PPTP, IPsec, L2TP, L2TP over IPsec
- Encryption : MPPE and Hardware-based AES/DES/3DES
- Authentication : MD5, SHA-1
- IKE Authentication : Pre-shared Key and Digital Signature (X.509)
- LAN-to-LAN, Teleworker-to-LAN
- DHCP over IPsec
- IPsec NAT-traversal (NAT-T)
- Dead Peer Detection (DPD)
- VPN Pass-through
- VPN Wizard
- mOTP
- Supports 16 SSL VPN Tunnels
- VPN Trunk: VPN Backup and Load Balance

Security

- Multi-NAT, DMZ Host, Port-redirection and Open Port
- Object-based Firewall, Object IPv6, Group IPv6
- MAC Address Filter
- SPI (Stateful Packet Inspection) (Flow Track)
- DoS/DDoS Prevention
- IP Address Anti-spoofing
- E-mail Alert and Logging via Syslog
- Bind IP to MAC Address
- Time Schedule Control
- Content Security (IM/P2P, URL, Keywords, Cookies,...)

Management

System Maintenance
- HTTP/HTTPS with 2-level Management (Admin/User)
- Logging via Syslog
- SNMP Management MIB-II (v2/v3)
- CLI (Command Line Interface, Telnet/SSH)
- Administration Access Control
- Web-based Diagnostic Functionality
- Firmware Upgrade via TFTP/HTTP /TR-069
- CWMP Support (TR-069/TR-104)
- LAN Port Monitoring

Network Management
- Bandwidth Management by session /bandwidth
- User Management by Time/Data Quota
- LAN DNS and DNS Proxy/Cache
- Dynamic DNS
- IGMP Snooping/Proxy v2 and v3
- QoS (DSCP/Class-based/4-level priority)
- Guarantee Bandwidth for VoIP
- Support Smart Monitor
- Central AP Management
- Central VPN Management
- Support Switch Management

WLAN (Wireless models)

- Multiple SSID
- Security (Open, 64/128-bit WEP, WPA/WPA2, 802.1x)
- Hidden SSID
- Wireless Rate Control by SSID
- Wireless VLAN
- Wireless LAN Isolation
- MAC Address Access Control
- Access Point Discovery
- Wireless Client List
- WDS (Wireless Distribution System)
- WMM (Wi-Fi Multimedia)

VoIP (V model)

- Protocol: SIP, RTP/RTCP
- 12 SIP Registrars
- G.168 Line Echo-cancellation
- Jitter Buffer
- Voice codec (G.711/G.723.1/G.726/G.729 A/B /VAD/CNG)
- DTMF Tone (Inband /Outband with RFC-2833/SIP Info)
- FAX/Modem Support Tone Detection and G.711 Pass-through
- Supplemental Services :
  - Call Hold/Retrieve/Waiting/Transfer
  - Call Forwarding (Always, Busy and No Answer)
  - Call Barring (Incoming/Outgoing)
  - DND (Do Not Disturb)
  - MWI (Message Waiting Indicator) (RFC-3842)
  - Hotline
- Secure Phone (ZRTP + SRTP)
- PSTN Loop-through When Power Failure
- Dial Plan (Phone Book, Digit Map, Call Barring, Regional)

LTE Modem (L models)

- LTE Connection Status on Dashboard
- Support Sending Short Message Service (SMS) Feature
- Support SMS Quota Limitation
- Show the SMS Information in SMS Inbox

Hardware Interface

- 1 x VDSL2/ADSL2/2+ WAN Port (WAN1), RJ-11 for Annex A/RJ-45 for Annex B
- 1 x 10/100/1000Base-Tx, RJ-45 (WAN2)
- 4 x 10/100/1000Base-Tx LAN Switch, RJ-45 (Configurable Physical DMZ on Port4)
- 2 x Detachable Antennas (n Model)
- 4 x Detachable Antennas (ac Model)
- 2 x Detachable LTE Antennas (L model)
- LTE SIM Card Slot (L model)
- 2 x USB Host 2.0
  1 x USB Host 2.0 (L model)
- 1 x Factory Reset Button
- 1 x Wireless On/Off/WPS Button (n/ac model)
- 2 x FXS and 1 x Life Line Port, RJ11 (V Model)

	VDSL Bonding	LTE	2.4 GHz	5 GHz	VoIP
			WLAN		
Vigor2862Vac			●	●	●
Vigor2862Lac		●	●	●	
Vigor2862Ln		●	●		
Vigor2862L		●			
Vigor2862ac			●	●	
Vigor2862n			●		
Vigor2862Bn	●		●		
Vigor2862B	●				
Vigor2862					