

# DrayTek

## Vigor2866 Series

### G.fast Security Router



Vigor2866 Series is a dual WAN firewall router. It has one G.fast supported DSL WAN, delivering fiber-like speed up to 1 Gbps, and one configurable Ethernet WAN. The built-in DSL modem is backward compatible with VDSL2 profile 35b supervectoring and ADSL2+. Vigor2866 Series provides load-balancing and failover for your business continuity. Featuring VPN, QoS, route policy, firewall, content filtering, bandwidth management, captive hotspot portal, and a lot more, this is the ultimate DSL router that does it all for SMB.



### Interface

① Fixed WAN Port	1 x RJ-11 for G.fast/VDSL2 35b/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)

Wireless Antenna	2 x External (wireless model)
LTE Antenna	2 x External (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)

### DSL

VDSL Standards	ITU-T G.993.2 Annex A/B/M/Q ITU-T G.993.5 (Vectoring)
VDSL2 Profile	8a, 8b, 8c, 8d, 12a, 12b, 17a, 35b
G.fast Profile	106Mhz, 212Mhz
ADSL Standards	ITU-T G.992.3 (G.dmt.bis)*, ITU-T G.992.5 (ADSL2+) (G.adslplus)
Other Standards	ITU-T G.998.4 (Retransmission)
Band Plan	998, 997

\* AnnexA support only

### 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)	•
IGMP	IGMP v2/v3, IGMP Proxy, IGMP Snooping & Fast Leave
Local RADIUS server	•
SMB File Sharing	• (Requires external storage)

## 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	2 (ac 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	•

## 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

## 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
Mesh Network	7 VigorAP (ac model)
Central Switch Management	10 VigorSwitch

## Wireless LAN (Wireless 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)(ac model)
Access Control	Access List, Client Isolation, Hide SSID, Wi-Fi Scheduling
AirTime Fairness	•
Band Steering	•
MU-MIMO	• (5G Only)
WMM	•

## VPN

LAN-to-LAN	•
Teleworker-to-LAN	•
Protocols	PPTP, L2TP, IPsec, L2TP over IPsec, SSL, GRE, IKEv2, IKEv2-EAP, IPsec-XAuth, OpenVPN
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

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), 28 (700MHz)
TDD Band	38 (2600MHz), 40 (2300MHz) 41 (2540-2640MHz, for Saudi Arabia only)
WCDMA (3G) Band	1, 8
SMS Gateway	•

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
Vigor2866			
Vigor2866L		•	
Vigor2866ac/ax	•		
Vigor2866Lac	•	•	
Vigor2866Vac	•		•