

DrayTek

Vigor2928 series

10G Multi-WAN Security Router

Vigor2928 series is a Multi-WAN VPN Router with high-speed 10G connectivity through two versatile interfaces. Featuring VPN, QoS, route policy, URL/IP reputation filtering and more. The be models offer Wi-Fi 7 features such as Multi-Link Operation (MLO) and Multiple Resource Units (MRU). 4G/5G Models provide cellular WAN connectivity with dual Nano SIM slots and multi-profile eSIM support.



Interface

Fixed WAN Port	① 1 x GbE RJ-45
	② 1 x 10G SFP+*
WAN/LAN Switchable Port	③ 1 x 10GbE RJ-45*
Fixed LAN Port	④ 1 x 10G SFP+*
	⑤ 3 x GbE RJ-45
LAN/WAN Switchable Port	⑥ 1 x 2.5GbE RJ-45 (4G/5G doesn't have this port)
USB Port	⑦ 2 x USB 2.0 1 x USB 2.0 (4G/5G model)
SIM Slot	2 x Nano-Sized
Embedded-SIM (eSIM)	Up to 6 Profiles (4G/5G model) (3 via WUI, 3 via ACS)
Button	1 x Factory Reset 1 x WLAN/WPS (be model)

*Only two of these ports can be active at the same time, and P2 & P3 cannot both act as WAN.

Internet Connection

IPv4	PPPoE, DHCP, Static IP
IPv6	PPP, DHCPv6, Static IPv6, TSPC, 6rd, 6in4 Static Tunnel
802.1p/q Multi-VLAN Tagging	•
Failover	•
Load Balancing	IP-based, Session-based
Connection Detection	ARP, Ping
WAN Data Budget	•
Dynamic DNS	•
DrayDDNS	•
NAT Sessions	100K

5G/LTE/WCDMA (5G model)

5G Band	n1,3,7,8,20,28,38,40,77,78
5G Max. Link Rate	NR SA: 2.4Gbps (DL) / 900Mbps (UL) NR NSA: 3.4Gbps (DL) / 550Mbps (UL)
LTE FDD Band	B1,3,7,8,20,28
LTE TDD Band	B38,40
LTE Category	Cat19 (DL) / Cat18 (UL)
LTE Max. Link Rate	1.6Gbps (DL) / 200Mbps (UL)
WCDMA (3G) Band	B1,8

LTE (4G model)

LTE FDD Band	B1,3,7,8,20,28
LTE TDD Band	B38,40
LTE Category	Cat6
LTE Max. Link Rate	300 Mbps (DL) / 50 Mbps (UL)
WCDMA (3G) Band	B1, 8

NAT

Port Forwarding	•
DMZ Host	•
Port Trigger	•
ALG (Application Layer Gateway)	SIP, RTSP
UPnP	•

	WLAN	4G	5G
Vigor2928			
Vigor2928be	•		
Vigor2928-4G		•	
Vigor2928-5G		•	•
Vigor2928be-4G	•	•	
Vigor2928be-5G	•	•	•

LAN

VLAN	802.1q Tag-based
Max. Number of VLAN	8
LAN Subnet	8
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, RADIUS, External Portal Server

Management

Local Service	HTTP, HTTPS, Telnet, SSH v2, FTP, TR-069
Config Backup/Restore	•
Firmware Upgrade	WUI, TFTP, TR-069
Role-based Privilege	•
Access Control	Access List, Brute Force Protection
Notification Alert	SMS, E-mail
SNMP	v1, v2c, v3
Syslog	•
Virtual AP Controller	20
Virtual Switch Controller	10
Mesh (Number of manageable Aps)	7 (be model)
VigorACS Management	•

VPN

Site-to-Site	•
Teleworker	•
EasyVPN	•
Protocols	IPsec, IKEv1/IKEv2, IKEv2-EAP IPsec-XAuth, OpenVPN, WireGuard
Max. VPN Tunnels	50
User Authentication	Local, RADIUS, TACACS+, TOTP
IKE Authentication	Pre-Shared Key, X.509
IPsec Authentication	SHA-1, SHA-256
Encryption	DES, 3DES, AES
Translate Local Network	•
Single-Armed VPN	•
NAT-Traversal (NAT-T)	•
VPN Matcher	•
VPN Connection Status	•
Backup & Restore	•

Networking

Routing	IPv4 Static Route, IPv6 Static Route, Policy Route, Inter-VLAN Route, RIP v1/v2, OSPF (v2/v3), BGP
Policy-based Routing	Protocol, IP Address, Port
DNS Security (DNSSEC)	•
IGMP	IGMP v2/v3, IGMP Proxy, IGMP Snooping & Fast Leave
Local RADIUS server	•

Monitoring

Log Center	•
WAN	•
ARP Table	•
Route Table	•
DHCP Table	•
IPv6 TSPC Status	•
IPv6 Neighbor Table	•
LLDP Neighbors	•
DNS Cache Table	•
Remote DSL Status	•
SFP Information	•
PPPoE Pass-Through	•
Session Table	•
Running Table	•

Security

URL/IP Reputation	•
Firewall Filter	IP, Content, Traffic
Port Knocking	•
Defense Setup	ARP Spoofing, IP Spoofing
MAC Filtering Profile	•
IPv6 Address Security	•

Bandwidth Management

Traffic Shaping Policy	•
IP-based Bandwidth Limit	•
IP-based Session Limit	•
QoS (Quality of Service)	IP Address, Port, Application
APP QoS	•
Default Policy	•
VoIP Prioritization	•

Wireless LAN (be model)

2.4GHz Max. Link Rate (Mbps)	1376
5GHz Max. Link Rate (Mbps)	5764
Wi-Fi 7	•
Max. Number of SSIDs (per band)	8 (4)
Security Mode	OWE, WPA, WPA2, WPA2/WPA, WPA3, WPA3/WPA2
Authentication	Pre-Shared Key
OFDMA	•
Roaming	Assisted Roaming Pre-Authentication 802.11r, 802.11k
Access Control	Hide SSID, WLAN Scheduling
AirTime Fairness	•
WMM	•

IAM

Users & Groups	•
Access Policies	•
Group Policies	•
Conditional Access Policies	•
Resources	•
Account Status	•
Backup and Restore	•