

# DrayTek

## Vigor2928 series

### 10G Multi-WAN Security Router



The Vigor2928 series is a Multi-WAN VPN router equipped with three 10G interfaces, supporting both Ethernet and fiber connections. The Vigor2928 supports advanced features, including load balancing, VPN, QoS, IP/URL filtering, and Threat Protection to enhance network security. It also functions as a virtual controller for the centralized management of VigorAPs and VigorSwitches.

10GbE WAN/LAN  
Switchable

10G SFP+

60k Sessions

BE7200  
(be model)



#### Interface

|                         |                                                          |
|-------------------------|----------------------------------------------------------|
| Fixed WAN Port          | ① 1 x GbE RJ-45<br>② 1 x 10G SFP+*                       |
| WAN/LAN Switchable Port | ③ 1 x 10GbE RJ-45*                                       |
| Fixed LAN Port          | ④ 1 x 10G SFP+*<br>⑤ 1 x 2.5GbE RJ-45<br>⑥ 3 x GbE RJ-45 |
| USB Port                | ⑦ 2 x USB 2.0                                            |
| Button                  | 1 x Factory Reset<br>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                    | •                                                       |

#### IAM

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

#### NAT

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

## 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<br>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        | •                                                                |

## Security

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

## 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       | • |

## 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   | •                                                                                                  |

## 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<br>Pre-Authentication<br>802.11r, 802.11k |
| Access Control                  | Hide SSID, WLAN Scheduling                                 |
| AirTime Fairness                | •                                                          |
| WMM                             | •                                                          |

WLAN

|             |   |
|-------------|---|
| Vigor2928   |   |
| Vigor2928be | • |