DrayTek

Vigor3912 Series

**High Performance 10G Router**

Vigor3912 is designed for bandwidth-demanding networks, featuring a 2GHz Quad-Core CPU for fast connection speed, even with multiple connected devices. The router has 8 WAN interface, including 2x 10G SFP+ for fiber connectivity, 2x 2.5G Ethernet, and 4x 1G Ethernet, providing NAT throughput up to 12.5 Gbps. Port1 to port8 are configurable independently for WAN or LAN to offer flexibility and optimize the router performance.

Up to 8 WANs	Quad-Core CPU	500 VPN	500 Hosts
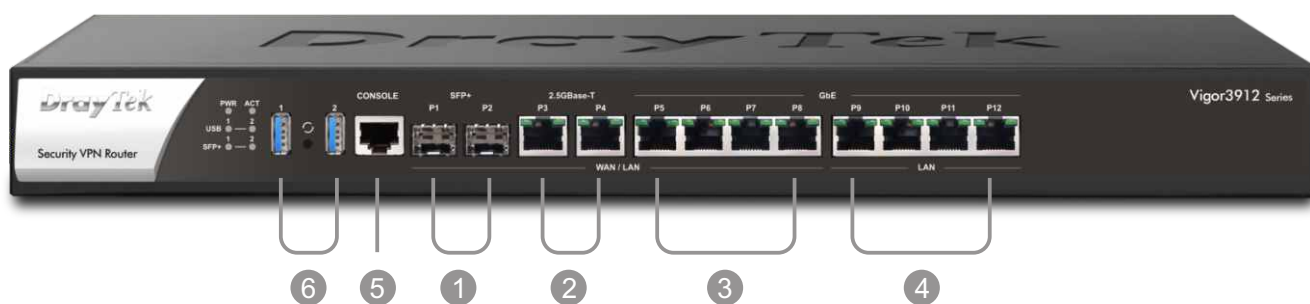
Interface

WAN/LAN	①	2 x 10 Gigabit SFP+
Switchable Port	②	2 x 2.5 GbE RJ-45
	③	4 x GbE RJ-45
Fixed LAN Port	④	4 x GbE RJ-45
Console Port	⑤	1 x RJ-45
USB Port	⑥	2 x USB3.0

Performance

NAT Throughput	12.5 Gbps
NAT Sessions	1000K

Note:
The throughput figures are maximum, based on DrayTek internal testing with optimal conditions. The actual performance may vary depending on the different network conditions and applications activated.

Internet Connection

IPv4	PPPoE, DHCP, Static IP
IPv6	PPP, DHCPv6, Static IPv6, TSPC, AICCU, 6rd, 6in4 Static Tunnel
802.1p/q Multi-VLAN Tagging	●
Multi-VLAN/PVC	●
Failover	●
Load Balancing	IP-based, Session-based
WAN Active on Demand	Link Failure, Traffic Threshold
Connection Detection	PPP, Ping, ARP
WAN Data Budget	●
Dynamic DNS	●
DrayDDNS	●

LAN Management

LAN Subnet	100
VLAN	802.1q Tag-based, Port-based
Max. Number of VLAN	100
DHCP Server	Multiple IP Subnet, Custom DHCP Options, Bind-IP-to-MAC
LAN IP Alias	●
IP Pool Count	4000
PPPoE Server	●
Port Mirroring	●
Local DNS Server	●
Conditional DNS Forwarding	●
Hotspot Web Portal	4
Hotspot Authentication	Click-Through, Social Login, SMS PIN, RADIUS, External Portal Server

Networking

Routing	Ipv4 Static Route, IPv6 Static Route, Policy Route, Inter-VLAN Route, Fast Routing, RIP v1/v2, OSPFv2, BGP
Policy-based Routing	Protocol, IP Address, Port, Domain, Country
Smart Action	●
High Availability	●
DNS Security (DNSSEC)	●
IGMP	IGMP v2/v3, IGMP Proxy, IGMP Snooping & Fast Leave
Local RADIUS server	●

Bandwidth Management

IP-based Bandwidth Limit	●
IP-based Session Limit	●
QoS (Quality of Service)	TOS, DSCP, 802.1p, IP Address, Service Type
VoIP Prioritization	●
APP QoS	●

VPN

LAN-to-LAN	●
Teleworker-to-LAN	●
Protocols	PPTP, L2TP, IPsec, L2TP over IPsec, SSL, GRE, IKEv2, IPsec-XAuth, OpenVPN, Wireguard
Max. VPN Tunnels	500
Max. OpenVPN + SSL VPN	200
IPsec VPN Throughput	3 Gbps
SSL VPN Throughput	3 Gbps
User Authentication	Local, RADIUS, LDAP, TACACS+, mOTP, TOTP
IKE Authentication	Pre-Shared Key, X.509, XAuth, EAP
IPsec Authentication	MD5, SHA-1, SHA-256, SHA-512
Encryption	MPPE, DES, 3DES, AES
VPN Trunk (Redundancy)	Load Balancing, Failover
Single-Armed VPN	●
NAT-Traversal (NAT-T)	●
VPN from LAN	●
VPN Isolation	●
VPN Packet Capture	●
VPN 2FA Authentication for AD/LDAP	●
VPN Matcher	●

Firewall & Content Filtering

NAT	Port Redirection, Open Ports, Port Triggering, Port Knocking, Fast NAT DMZ Host, UPnP, Server Load Balance
ALG	SIP, RTSP, FTP, H.323
VPN Pass-Through	PPTP, L2TP, IPsec
IP-based Firewall Policy	●
Content Filtering	APP, URL Keyword, DNS Keyword, Web Features, Web Category* (*subscription required)
DoS Attack Defense	●
Spoofing Defense	●

Management

Local Service	HTTP, HTTPS, Telnet, SSH v2, FTP, TR-069
Config Backup/Restore	●
Firmware Upgrade	TFTP, HTTP, TR-069
2-Level Administration Privilege	●
Access Control	Access List, Brute Force Protection
Syslog	●
Notification Alert	SMS, E-mail
SNMP	v1, v2c, v3
VigorACS Management	●
AP Management (APM)	50
Switch Management (SWM)	30 VigorSwitches

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