DrayTek

Vigor3910
High Performance 10G Router

Vigor3910 is capable for bandwidth demanding network. The router features a powerful quad-core processor, eight WAN/LAN switchable interfaces, including two 10G SFP+ for fiber connectivity, two 2.5G Ethernet, RJ-45, and four Gigabit Ethernet, RJ-45. In addition, the router has four Gigabit Ethernet, RJ-45 as a fixed LAN interface.

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	9 Gbps
IPsec VPN Performance	2.5 Gbps
SSL VPN Performance	1.3 Gbps
NAT Sessions	1000K
Max. VPN Tunnels	500
Max. OpenVPN + SSL VPN	200

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	•

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.

LAN Management

VLAN	802.1q Tag-based, Port-based
LAN Subnet	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 (Profile No.)	4
Hotspot Authentication	Click-Through, Social Login, SMS PIN, RADIUS, External Portal Server

Networking

Routing	IPv4/IPv6 Static Routing, Policy Route, Inter-VLAN Routing, RIP v1/v2, OSPFv2, 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	●

VPN

LAN-to-LAN	●
Teleworker-to-LAN	●
Protocols	PPTP, L2TP, IPsec, L2TP over IPsec, SSL, GRE, IKEv2, IPsec-XAuth, OpenVPN, Wireguard
User Authentication	Local, RADIUS, LDAP, TACACS+, mOTP, TOTP
IKE Authentication	Pre-Shared Key, X.509, XAuth, EAP
IPsec Authentication	SHA-1, SHA-256, MD5
Encryption	MPPE, DES, 3DES, AES
VPN Trunk (Redundancy)	Load Balancing, Failover
Single-Armed VPN	●
NAT-Traversal (NAT-T)	●
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	APP, 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, Service Type
VoIP Prioritization	●
APP QoS	●

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
Syslog	●
VigorACS Management	●
AP Management	50
Switch Management	30