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, gives you NAT throughput up to 9.4 Gbps. In addition, the router has four Gigabit Ethernet, RJ-45 as a fixed LAN interface.

Up to 8 WANs
including 10G SFP+
and 2.5G Ethernet

Quad-Core CPU
provides 9.4 Gbps
NAT throughput

1000k Sessions
Recommended for a
network of 500+ hosts

500 VPN
provides 3.3 Gbps
IPsec throughput

Switchable WAN/LAN Port
1   2 x 10 Gigabit SFP+
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

Specification

Interface

LAN/WAN Switchable Port	2 x 10G/2.5G/1G SFP+ Fiber Slot 2 x 2.5G/1G/100M Ethernet, RJ-45 4 x 1G/100M/10M Ethernet, RJ-45
Fixed LAN Port	4 x 1G/100M/10M Ethernet, RJ-45
USB Port	2 x USB 3.0
Console Port	1 x RJ-45
Button	1 x Factory Reset

Performance

NAT Throughput	9.4 Gbps
IPsec VPN Performance	3.3 Gbps
SSL VPN Performance	1.6 Gbps
NAT Sessions	1,000,000
Max. Concurrent VPN Tunnels	500
Max. Concurrent OpenVPN + SSL VPN	200

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	●
Load Balancing	IP-based, Session-based
WAN Active on Demand	Link Failure, Traffic Threshold
Connection Detection	PPP, Ping, ARP
Dynamic DNS	●
DrayDDNS	●

Bandwidth Management

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

Networking

Routing	IPv4 Static Routing, IPv6 Static Routing, Inter-VLAN Routing, RIP v1/v2/ng, OSPFv2, BGP
Policy-based Routing	Protocol, IP Address, Port, Domain, Country
High Availability	Active-Standby, Hot-Standby
DNS Security (DNSSEC)	●
Multicast	IGMP Proxy, Bonjour
Local RADIUS server	●
SMB File Sharing	● (Requires external storage)

LAN Management

VLAN	802.1q Tag-based, Port-based
Max. Number of VLAN	50
DHCP Server	Multiple IP Subnet, Custom DHCP Options, Bind-IP-to-MAC
LAN IP Alias	●
IP Pool Count	Up to 4K per LAN Subnet
PPPoE Server	●
Local DNS Server	●
Conditional DNS Forwarding	●
Hotspot Web Portal	●
Hotspot Authentication	Click-Through, Social Login, SMS PIN, RADIUS, External Portal Server

VPN

LAN-to-LAN	●
Teleworker-to-LAN	●
Protocols	PPTP, L2TP, IPsec, L2TP over IPsec, SSL, GRE, IKEv2, IPsec-XAuth, OpenVPN
User Authentication	Local, RADIUS, LDAP, TACACS+, mOTP
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)	●
DrayTek VPN Matcher	●

Firewall & Content Filtering

NAT	Port Redirection, Open Ports, Port Triggering, DMZ Host
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	●

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
Syslog	●
Notification Alert	SMS, E-mail
SNMP	v1, v2c, v3
Managed by VigorACS	●
Central AP Management	50 VigorAPs
Central Switch Management	30 VigorSwitches