

DrayTek

Vigor3910

High Performance 10G Router



Vigor3910 is capable for bandwidth demanding network. The router features a powerful quad-core processor, six WAN interfaces, including one 10G SFP+ for fiber connectivity, one 2.5G Ethernet, RJ-45, and four Gigabit Ethernet, RJ-45, gives you NAT throughput up to 8.5 Gbps. In addition, the router has four Gigabit Ethernet, RJ-45 as a LAN interface.

8.5 Gbps

Max. NAT throughput

Quad-Core CPU

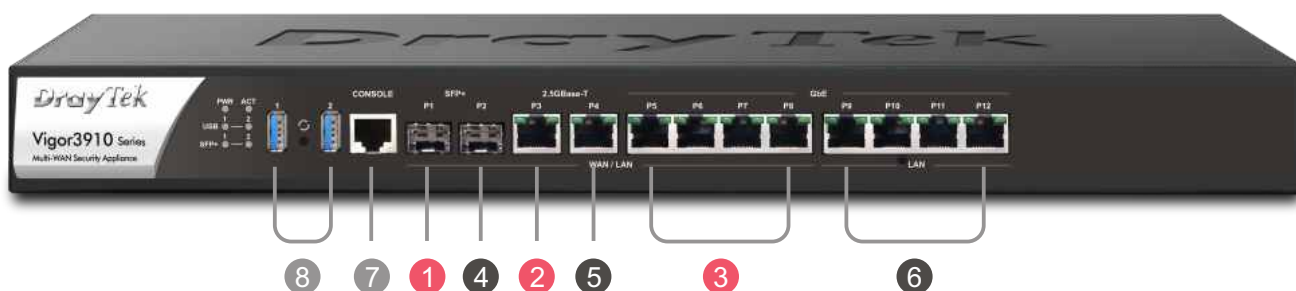
Up to 6 WAN

150k Sessions

Recommended for a network of 500+ hosts

500 VPN

provides 3.3 Gbps IPsec throughput



WAN Port

- 1 P1 - 10 Gigabit SFP+
- 2 P3 - 2.5 GbE RJ-45
- 3 P5-8 - GbE RJ-45

LAN Port

- 4 P2 - 10 Gigabit SFP+
- 5 P4 - 2.5 GbE RJ-45
- 6 P9-12 - GbE RJ-45

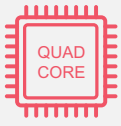
Console Port

- 7 1 x RJ-45

USB Port

- 8 2 x USB3.0

Key Features



Quad-Core Processor

Offer excellent performance for bandwidth-demanding enterprise networks.



10G SFP+

Provides 2 x 10G-capable fiber SFP ports for WAN or LAN connection.



Load Balancing

Maximize throughput and reliability by using multiple Internet connections.



VPN (Virtual Private Network)

Build a secure and private tunnel from the LAN of Vigor3910 to the remote offices and teleworkers over the Internet.



SSL VPN

The VPN works through firewalls providing secure remote access to any network environment.



PPPoE Server

Use Point-to-Point connection on LAN to keep track of individual user's traffic.



Hotspot Web Portal

Market your business and communicate with the guests while offering hospitality Wi-Fi.



Bandwidth Management

Prevent one device using all the bandwidth by bandwidth limit policy, session limit policy, and QoS settings.



Firewall & Content Filter

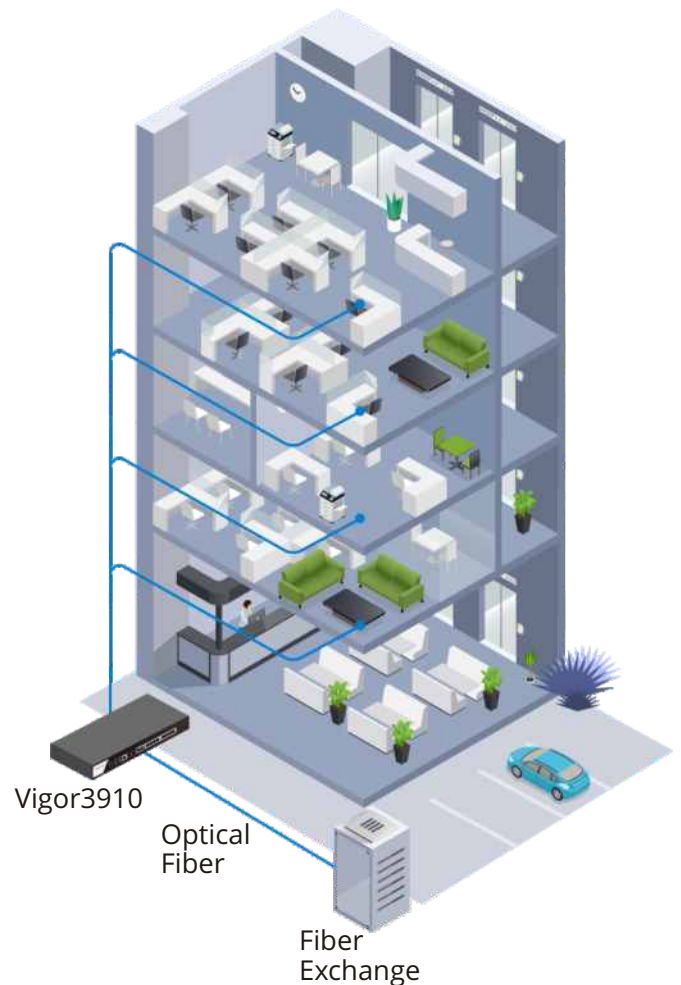
Filter web pages by URL keyword or web category to block access to insecure or inappropriate contents.



DrayDDNS

The free DDNS service for you to access the router by a fixed hostname of your choice.

Applications for FTTB/FTTH



Specification

Interface

WAN Port	1 x 10G/1G SFP+ Fiber Slot (P1) 1 x 2.5G/1G/100M/10M Ethernet, RJ-45 (P3) 4 x 1G/100M/10M Ethernet, RJ-45 (P5-8)
LAN Port	1 x 10G/1G SFP+ Fiber Slot (P2) 1 x 2.5G/1G/100M/10M Ethernet, RJ-45 (P4) 4 x 1G/100M/10M Ethernet, RJ-45 (P9-12)
USB Port	2 x USB 3.0
Console Port	1 x RJ-45
Button	1 x Factory Reset

Performance

NAT Throughput	8.5 Gbps
VPN Performance	3.3 Gbps
NAT Sessions	150,000
Max. Concurrent VPN Tunnels	500
Max. Concurrent 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	•
Load Balancing	IP-based, Session-based
WAN Active on Demand	Link Failure, Traffic Threshold
Connection Detection	PPP, Ping, ARP
Dynamic DNS	•
DrayDDNS	•

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 1022 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

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)

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)	•

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	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