

## 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

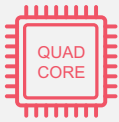
#### Console Port

- 5 1 x RJ-45

#### USB Port

- 6 2 x USB3.0

# 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.



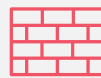
## Hotspot Web Portal

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

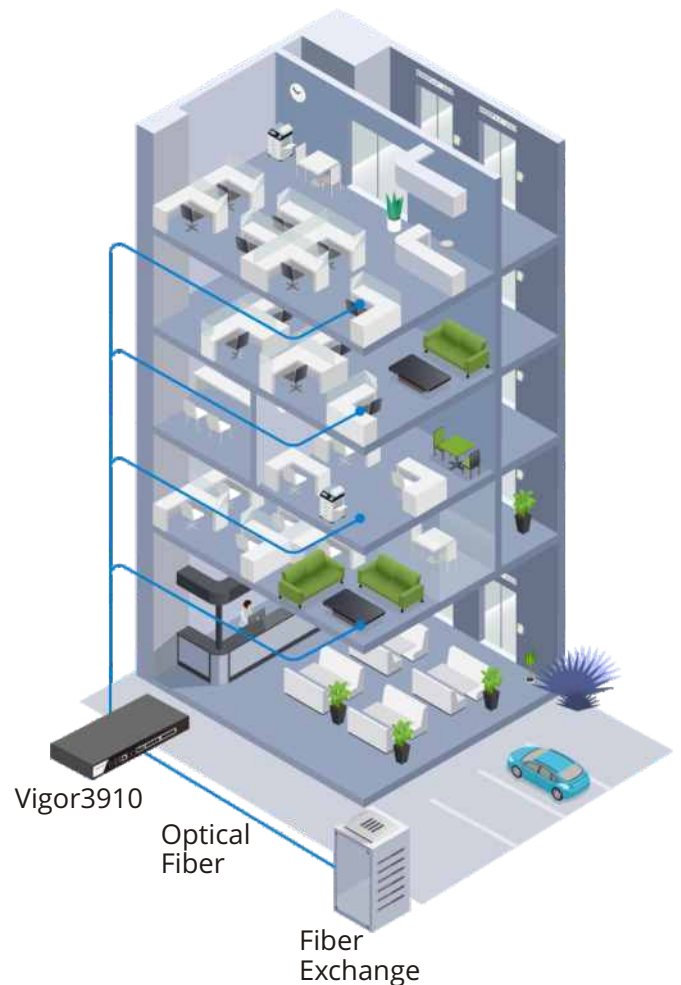
Filter web pages by URL keyword or web category to block access to insecure or inappropriate contents.



## DrayDDNS

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

## Applications for FTTB/FTTH



# Specification

## Interface

LAN/WAN Switchable Port	2 x 10G/1G SFP+ Fiber Slot 2 x 2.5G/1G/100M/10M 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, 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
Managed by VigorACS	•
Central AP Management	50 VigorAPs
Central Switch Management	30 VigorSwitches