DrayTek

Vigor 3910

10Gb Enterprise Level High-Performance VPN Concentrator with Powerful 1.2GHz Quad-Core Processor

Product Overview

The DrayTek Vigor 3910 is a multi-WAN router and an ideal VPN concentrator, delivering high performance to meet the current and future bandwidth demands of complex networks. The Vigor 3910 combines performance, capacity and flexibility, with ease of use and a comprehensive feature set.

Key Features & Benefits

Powerful Enterprise Internet Gateway

Featuring a Quad-Core Processor, the Vigor 3910 readily meets the needs of demanding networks, with over 9Gb/s NAT throughput delivered through its 10GbE & 2.5GbE ports.

Benefits: Full potential of the Internet. Flexible application.

High-Performance VPN Concentrator

Protect inter-office communication with securely encrypted Virtual Private Network tunnels, maintaining 3 Gb/s IPsec throughput and supporting 500 simultaneous VPN links.

Benefits: No bottlenecks. Affordable high performance.

Flexible WAN Architecture

Spread the load across up to 8 WAN links with Load Balancing. Policy-based Routing enables intelligent and flexible failover, for reliable and resilient connectivity.

Benefits: Broadband Aggregation. Business continuity.

Switchable WAN & LAN Ports

12 physical ports with 4 dedicated LAN ports and 8 switchable LAN or WAN ports. Allowing for up to 12 LAN ports in total, or Load Balancing up to 8 WAN connections.

Benefits: Customisable to your network requirements.

High Availability

Provide hardware redundancy to mission critical applications with the installation of a second Vigor 3910. The backup autonomously resumes connections in the event of hardware failover.

Benefits: Prevent a single point of failure. Maximum uptime.

Manage Multiple Networks

Create up to 50 VLANs, port-based or tag-based. Each fully configurable for NAT or Routing, sharing resources between networks or isolated from each other.

Benefits: Easily secure and segment your networks.

Full Specifications

Interfaces:
- WAN/LAN Switchable Port
  - 2x 10G/1G SFP+ Fibre Slot
  - 2x 2.5G/1G/100M/10M Ethernet, RJ-45
  - 4x 1G/100M/10M Ethernet, RJ-45
  - (support switchable since v3.9.2)
- Fixed LAN Port
  - 4x 1G/100M/10M Ethernet, RJ-45
- 2x USB 3.0 Port
- 1x RJ-45 Console Port
- 1x Factory Reset Button

Performance:
- 9 Gb/s NAT Throughput
- 3 Gb/s VPN Performance
- 150,000 NAT Sessions
- Max. 500 Concurrent VPN Tunnels
- Max. 200 Concurrent SSL VPN

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

LAN Management:
- 802.1q Tag-based, Port-based VLAN
- Max. 50 VLAN
- DHCP Server
  - Multiple IP Subnet, Custom DHCP Options, Bind-IP-to-MAC
- LAN IP Alias
- Up to 1022 IP Counts per LAN Subnet
- PPPoE Server
- Port Mirroring (since v3.9.2)
- Local DNS Server
- Conditional DNS Forwarding
- Hotspot Web Portal
- Hotspot Authentication
  - Click-Through, Social Login, SMS PIN, RADIUS, External Portal Server

Networking:
- IPv4 Static Routing, IPv6 Static Routing, Inter-VLAN Routing, RIP v1/v2/ng, OSPFv2, BGP
- Policy-based Routing
- Protocol, IP Address, Port, Domain, Country
- Active-Standby / Hot-Standby High Availability
- 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
- MPPE, DES, 3DES, AES Encryption
- 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 (Application Layer Gateway)
  - 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*
- DoS Attack Defence
- Spoofing Defence

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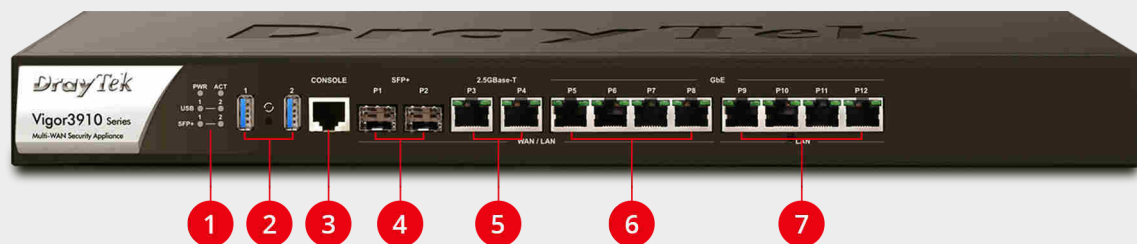 - TOS, DSCP, 802.1p, IP Address, Service Type
- VoIP Prioritization

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
- SMS, E-mail Notification Alert
- SNMP
  - v1, v2c, v3
- Managed by VigorACS (since v3.9.2)
- Central AP Management up to 50 VigorAP devices (since v3.9.2)
- Central Switch Management up to 30 VigorSwitch devices (since v3.9.2)

Physical:
- Rack Mouting Kit Included
- Dimension
  - 443 mm x 285 mm x 45 mm
- Weight
  - 3.23 kg
- Power
  - AC 100~240V, 50/60Hz
- Max.Power Consumption
  - 35 watts
- Operating Temperature
  - 0 to 45°C
- Storage Temperature
  - -10 to 55°C
- Operating Humidity (non-condensing)
  - 10 to 90%

(*subscription required)

1	LED Status Indicators
2	2x USB 3.0 Ports
3	Console Port

Switchable WAN or LAN Ports:
4	2x 10GbE SFP+
5	2x 2.5GbE RJ-45
6	4x 1GbE RJ-45

Dedicated LAN Ports:
| 7 | 4x 1GbE RJ-45 |