DrayTek

Vigor3910

10G Enterprise Level High-Performance VPN Concentrator

- 8 x WAN/LAN switchable ports + 4x fixed LAN ports
- 2 x 10G SFP+ and 2 x 2.5G Ethernet for WAN or LAN
- Powerful 1.2GHz Quad-Core Processor
- 9 Gbps NAT throughput, 150k NAT sessions
- 500 simultaneous VPN tunnels throughput over 3 Gbps
- Supported and managed by VigorACS 2

Quad-Core Powerful 10G Internet Gateway

Vigor3910 is capable for bandwidth-demanding network. The router features a powerful quad-core processor, eight WAN 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 Gbps. All of WAN ports are switchable between WAN and LAN to provide Network Administrator with the flexibility to make the most out of the router. Besides, the router has four Gigabit Ethernet, RJ-45 as a fixed LAN interface.

High-Performance VPN Concentrator

Vigor3910 is an enterprise-level VPN concentrator for multi-site businesses to link all the offices and build an enterprise network securely over the Internet. It's a cost-saving, but reliable, alternative to leased lines. The router can handle up to 500 concurrent VPN tunnels, 200 of which can be SSL VPN. The powerful quad-core processor brings out excellent throughput for VPN as well; the performance of IPsec VPN can achieve over 3 Gbps.

Ultimate Resiliency and Reliability

When there are multiple active WAN links, Vigor3910 will automatically balance the outbound traffic among them and optimize the bandwidth usage of every connection. When one of the links fails, the router will seamlessly transfer the traffic to another to ensure the Internet service continues. Load Balancing and automatic failover also apply to VPN connections. Network Administrator can create multiple VPN tunnels to the same remote network, and use them in load balancing or backup mode.

To reduce the downtime caused by hardware, Vigor3910 supports High Availability, that allows administrators to set up another Vigor3910 to standby, and take over the job in the event of failure of the primary router.

In-Depth Local Network Management

Vigor3910 can create up to 50 VLANs, including port-based and tag-based, support up to 1022 IP counts per subnet, perfect for a network of a variety of devices and groups of hosts. The router can also act as a PPPoE server, allows the network administrators to keep track of each LAN client's connection status. SPI firewall and Content filtering are supported to filter unwanted traffic to keep the network efficient and secure.

The router also discovers DrayTek access points and switches on its LAN, and offer a centralized management platform on the router's web-based UI for the Network administrator to provision, monitor, and maintain all the DrayTek devices.

NAT
- 150,000 Sessions
- Port Redirection
- DMZ Host Support IP Alias
- Open Ports
- Port Triggering
- ALG

WAN
- Protocol: DHCP/Static/PPPoE
- Outbound Policy-based Load-balancing
- WAN Connection Fail-over
- Multiple VLAN (Port-based Bridge*)
- WAN Budget*

LAN
- LAN 1 ~ LAN 50
- Port-based & Tag-based VLAN
- Bind IP to MAC Address
- Hotspot Web Portal
- LAN Port Mirror
- Wired 802.1x*
- PPPoE Server
- Support IP Pool Count up to 1022 per LAN Subnet

Routing
- Route Policy
- Static Route
- RIP v1/v2/ng
- BGP
- OSPF v2

Bandwidth Management
- QoS
  - APP QoS*
  - Guarantee Bandwidth for VoIP*
  - Class-based Bandwidth Guarantee by User-defined Traffic Categories
  - DiffServ Code Point Classifying
  - 4-level Priority for Each Direction (Inbound/Outbound)
  - Bandwidth Borrowed
- Bandwidth/Session Limitation
  - Smart Bandwidth Limit
  - Config by IP Range
  - Layer-3 (TOS/DSCP) QoS
- Layer-2 (802.1p) QoS

VPN
- 500 Concurrent VPN Tunnels
- VPN Wizard*
- VPN Trunk with Backup/Load Balance
- Protocol: PPTP, IPsec, L2TP, L2TP over IPsec, GRE over IPsec, OpenVPN
- Encryption: MPPE and Hardware-based AES/DES/3DES
- Authentication: MD5, SHA-1, SHA-256
  - IKE v1/v2 Authentication: Pre-shared Key, X.509, XAuth, EAP
  - PPP Authentication: PAP, CHAP, MS-CHAPv2, mOTP
- Connection
  - Remote Dial-In
  - LAN-to-LAN
- VPN Pass-through: IPsec, PPTP, L2TP
- GRE over IPsec
- NAT-traversal (NAT-T)
- mOTP
- SSL VPN, Encryption: AES(256 bits)

Network Feature
- DHCP Client/Relay/Server
- DHCP Option: 1,3,6,51,53,54,58,59,60,61,66,125
- IGMP v2/v3 Proxy
- LAN DNS /DNS Forwarding
- Dynamic DNS
- NTP Client
- Schedule
- RADIUS /TACACS+ Client
- RADIUS Server
- Active Directory /LDAP Compatible (Client)
- Wake on LAN
- Bonjour Service
- Triple-play Application*
- High Availability (HA)
- DADVD for IPv6
- DHCPv6 Server
- Static IPv6 Address Configuration

Content Security Management
- APP Enforcement
- URL Content Filter
  - Access Control: URL Keyword Blocking (White/Black List)
  - Web Feature: Java Applet, Cookies, Active X, Compressed, Executable,Multimedia File Blocking
- Web Content Filter (Support Cyren and BPjM)

Firewall
- User-based Firewall
- Object-based Firewall
- DoS Defense
- Time Schedule Control
- DNS Filter Enhancement
- User Management
- Firewall Wizard Mode*/Advanced Mode

Management
- Web-based User Interface (HTTP/HTTPS)
- CLI (Command Line Interface, Telnet/SSH)
- Administrative Access Control
- Configuration Backup/Restore
- Configuration Export/Import
- Built-in Diagnostic Function
- Firmware Upgrade via WUI & Loader TFTP
- Logging via Syslog
- SNMP v2/v3
- Support SMS/E-mail Alert
- Management Session Timeout
- Two-level management (Admin/User Mode)
- External Device Detection
- TR-069
- Firmware Upgrade Tools
- Support Multiple-firmware Upgrade Utility*
- LED/Button/USB Enable/Disable Management*
- Dashboard Panel Control
- Certificate Management

Hardware Interface
- 8 LAN/WAN Configurable Ports (2 x 1G/10G SFP+, 2 x 10M/100M/1G/2.5G RJ-45, 4 x 10M/100M/1G RJ-45)(bps)
- 4 x 10/100/1000Base-Tx LAN Switch, RJ-45
- 2 x USB Host 3.0
- 1 x Console Port, RJ-45
- 1 x Factory Reset Button

*Firmware Upgradeable

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