DrayTek

Vigor3912 series
High Performance 10G Router

- 8 x WAN/LAN switchable ports & 4 x fixed LAN ports
- 2 x 10G SFP+ & 2 x 2.5G Ethernet for WAN or LAN
- 1000k NAT sessions Recommended for a network of 500+ hosts
- Supported and managed by VigorACS
- 256GB M.2 SSD (Vigor3912S)

NAT
- 1000K Sessions
- Port Redirection
- DMZ Host Support IP Alias
- Open Ports
- Address Mapping

WAN
- Protocol: DHCP/Static IP/PPPoE/PPTP
- Load Balance
- WAN Connection Fail-over
- Configurable LAN/WAN

IP Protocol
- IPv4
- IPv6

Switch
- Port-based & Tag-based VLAN
- IGMP proxy / snooping Up to 128 Groups
- LAN Port7& Port 8 support Link Aggregation
- LACP support XOR MAC Source & Destination Address Mode
- Up to 100 VLANs

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- DMZ Host support IP Alias
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Bandwidth Management
- QoS
  - Guarantee bandwidth for VoIP
  - Class-based bandwidth guarantee by user-defined traffic categories
  - DiffServ Code Point Classifying
  - Multi-level priority for each direction (Inbound/Outbound)
- Bandwidth Limitation
- Sessions Limitation
- 802.1p and Layer-3 (TOS/DSCP) QoS Mapping

VPN
- 500 Concurrent VPN Tunnels
- Protocol: PPTP, IPsec, L2TP, L2TP over IPsec
- Encryption: MPPE and Hardware-based AES/DES/3DES
- Authentication: MD5, SHA-1
- IKE v1/v2 Authentication:
  - Pre-shared Key, Digital Signature(X.509)
- PPP Authentication:
  - PAP, CHAP, mOTP Connection
  - Remote Dial-In
  - LAN-to-LAN
  - Dead Peer Detection (DPD)
- VPN Pass-through: IPsec, PPTP, L2TP
- GRE over IPsec
- DHCP over IPSec
- NAT-traversal (NAT-T)
- VPN Wizard
- Up to 200 SSL VPN

Network Feature
- Hardware NAT
- DHCP Client/Relay/Server
- DHCP Option: 1,3,6,51,53,54,58,59,60,61,66,125
- DHCP Pool support B-Class
- IGMP v1/v2c
- Dynamic DNS
- NTP client
- RADIUS Server/Client
- LDAP Client support Anonymous &
- Simple credentials
- UPnP up to 500 sessions
- Wake on LAN
- Routing protocol support IPv4 & IPv6
- Multi Subnet LAN (base on VLAN)

Content Security Management
- Object-based:
  - URL Content Filter
  - Web Content Filter
  - APP Enforcement (IM/P2P Blocking)

Firewall
- Object-based Firewall
- IP Filter, Application Filter, MAC Address Filter
- SPI (Stateful Packet Inspection)
- DoS Defense
- Port Block
- Bind IP to MAC
- E-Mail alert and log via Syslog

Management
- Web-based user interface (HTTP/HTTPS)
- Quick Start Wizard
- CLI (Command Line Interface, Telnet/SSH)
- Configuration backup/restore
- Built-in diagnostic function
- Firmware upgrade via TFTP/HTTP/TR-069
- Logging via Syslog
- SNMP management (MIB-II)
- Session Time Out Management
- Multi-level management admin/user
- Multiple User Level Control, Admin & User Lever
- Time Schedule Control
- User Management
- TR-069

Device Management
- AP Management: 50
- VPN Management : 50
- Switch Management : 30
- External Devices : 30

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)
- 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