



Vigor3220 Series

Multi-WAN Security Router

- 4 Gigabit WAN Port for load balancing or failover
- 2 USB for 3G/4G USB mode, printer, network storage or temperature sensor
- 200 simultaneous VPN tunnels including up to 50 SSL VPN
- IPv6 Support on WAN & LAN
- SPI Firewall and content filtering by URL keyword, Apps, and web category (optional)
- Support Central Device Management for up to 30 VigorAP and up to 10 VigorSwitch
- Compliant with VigorACS 2

Features of the Vigor3220 series Multi-Subnet security routers will satisfy the network requirements of small to medium business networks. Its Multi-Subnet interface with Multi-VLAN function allows users to easily divide network into different sections based on applications, such as VoIP, web or FTP server or user groups, such as Sales, Technical Support or HR dept. Each usage/application or user group can get its dedicated bandwidth and administrator can have security control between user groups for preventing possible data leakage. The said series are equipped with four Gigabit Ethernet WAN ports, one gigabit Ethernet LAN port, one DMZ port, two USB ports, one console port and IEEE802.11n WLAN on n model.

WAN Load Balancing

Up to 5 WAN links can be active simultaneously on Vigor3220 series, including 4 Gigabit Ethernet and 1 3G/4G cellular connection via a USB modem attached to the USB port. With default configuration, Vigor3220 automatically distribute the traffic among all active WANs and determines the load balancing weight based on the bandwidth utilization of each interface. Vigor3220 series also features Data Budget Tool to track the data usage on each WAN, which will be reset monthly (or on custom cycle), administrator can configured the router to shut down the interface immediately or send a notification when the data usage reaches a threshold.

A Robust VPN Server

Vigor3220 can be the VPN server allows up to 200 simultaneous connections, including LAN-to-LAN VPN with the branch offices, or the Host-to-LAN VPN for the teleworkers.

All the industry standard tunneling protocols are supported, including PPTP, L2TP, IPsec, and GRE, and therefore are compatible with 3rd party VPN devices. SSL VPN is also included on Vigor3220, and DrayTek also offers free official client App for Windows, iOS, and Android.

Vigor3220 also provides VPN redundancy to ensure the reliability of VPN connection. Two VPN tunnels to the same remote network but through different WAN interfaces can be configured into a VPN trunk. The two trunking tunnels can be set up in load balancing or failover mode.

VLAN and Multiple Subnet

Vigor3220 can provide high-speed Internet connectivity for up to 200 hosts, and the support of Virtual LAN Feature (VLAN) allows you to separate the whole LAN network into smaller logical domains, which will help to increase the local network security and improve network efficiency. Up to 8 IP subnet can be set up on Vigor3220 series, this enables each VLAN to use a different IP address range.



Connectivity

Ethernet WAN

- IPv4 - DHCP Client, Static IP, PPPoE, PPTP, L2TP, 802.1q Multi-VLAN Tagging
- IPv6 - Tunnel Mode: TSPC, AICCU, 6rd, Static 6in4 Dual Stack: PPP, DHCPv6 Client, Static IPv6
- WAN Connection Fail-over
- WAN Budgets
- Load Balance/Route Policy

Ethernet LAN

- IPv4/IPv6 DHCP Server
- Static Routing/RIP/BGP
- Multiple Subnet
- Port/Tag-based VLAN

USB

- 3.5G/4G LTE(PPP, DHCP) as WAN5/WAN6 Printer Server/File Sharing

Management

System Maintenance

- HTTP/HTTPS with 2-level Management (Admin/User)
- Logging via Syslog
- SNMP Management MIB-II (v2/v3)
- CLI (Command Line Interface, Telnet/SSH)
- Administration Access Control
- Web-based Diagnostic Functionality
- Firmware Upgrade via TFTP/FTP/HTTP/TR-069
- CWMP Support (TR-069/TR-104)
- LAN Port Monitoring

Network Management

- Bandwidth Management by session/bandwidth
- User Management by Time/Data Quota
- LAND DNS and DNS Proxy/Cache
- Dynamic DNS
- IGMP Snooping/Proxy v2 and v3
- QoS (DSCP/Class-based/4-level priority)
- Guarantee Bandwidth for VoIP
- Support Smart Monitor (Up to 200 nodes)
- Central AP Management
- Central VPN Management
- Switch Management

WLAN (n model)

- 802.11n with 2.4GHz
- Multiple SSID
- Encryption (64/128-bit WEP,WPA/WPA2,802.1x)
- Hidden SSID
- Wireless Rate Control by SSID
- Wireless VLAN
- Wireless LAN Isolation
- MAC Address Access Control
- Access Point Discovery
- Wireless Client List
- WDS (Wireless Distribution System)
- WMM (Wi-Fi Multimedia)

Security

- Multi-NAT, DMZ Host, Port-redirection and Open Port
- Object-based Firewall, Object IPv6, Group IPv6
- MAC Address Filter
- SPI (Stateful Packet Inspection) (Flow Track)
- DoS/DDoS Prevention
- IP Address Anti-spoofing
- E-mail Alert and Logging via Syslog
- Bind IP to MAC Address
- Time Schedule Control
- Content Security (IM/P2P, URL, Keywords, Cookies,...)

VPN

- Up to 200 VPN Tunnels
- Protocol : PPTP, IPsec, L2TP, L2TP over IPsec, IKEv2
- Encryption : MPPE and Hardware-based AES/DES/3DES
- Authentication : MD5, SHA-1
- IKE Authentication : Pre-shared Key and Digital Signature (X.509)
- LAN-to-LAN, Teleworker-to-LAN
- DHCP over IPsec
- IPsec NAT-traversal (NAT-T)
- Dead Peer Detection (DPD)
- VPN Pass-through
- VPN Wizard
- mOTP
- Supports 50 SSL VPN Tunnels
- VPN Trunk: VPN Backup and Load Balance

Hardware Interface

- 4 x 10/100/1000Base-Tx WAN Port, RJ-45
- 1 x 10/100/1000Base-Tx LAN Switch, RJ-45
- 1 x 10/100/1000Base-Tx DMZ Port, RJ-45
- 2 x USB Host (USB1 is 2.0 and USB2 is 3.0)
- 2 x Detachable Antennas (n Model)
- 1 x Wireless On/ Off/ WPS Button (n Model)
- 1 x Console Port, RJ-45
- 1 x Factory Reset Button

WLAN

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NAT Throughput	500 Mbps
Max. Number of NAT Sessions	100,000
Max. Concurrent VPN Tunnels	200