Vigor2920/2920n

Dual-WAN Security Router

DrayTek

www.draytek.com

- Gigabit 2nd WAN complied with FTTx trend (up to 150 Mbps) escalating business essential data exchange
- 4-port Gigabit LAN switch facilitating the execution of unified communication applications in business CO/remote site
- 32 VPN tunnels with up to 40 Mpbs IPSec VPN throughput
- Object-based firewall preventing external attacks/easing policy settings
- Dual-WAN with load balance and redundancy
- Support 3.5G USB modem for initiating business anytime and fail-over backup
- CSM (Content Security Management) for web content access control
- 802.11n wireless LAN (n model)
- Bandwidth management for optimizing corporate bandwidth allocation
- TR-069 and 2-level management are for Telcos/ISPs

RPD by com touch®

The Vigor2920 and Vigor2920n are firewall broadband routers for connecting to xDSL/cable/VDSL2/Ethernet FTTx. The Gigabit WAN and 4-port Gigabit LAN switch facilitates unified communication applications in business CO / remote site to handle large data from subscribed higher speed broadband. The state-of-art routing feature, VPN, security, Dual WAN provides integrated benefits for professional users and small offices.

High user-friendliness and efficiency

Its well-structured Web User Interface (WUI) offers user-friendly configuration and allows specific setting to satisfy users' various needs. The WUI also provides IP layer QoS (Quality of Service), NAT session/bandwidth management to help users control and allocate the bandwidth on networks.

In short, the WUI of Vigor2920 and Vigor2920n give you a nice and smooth way to operate all enrich features you need.

Load-balance and backup

You can combine the bandwidth of the Dual WAN to speed up the transmission through the network. The Gigabit WAN port is ideal for connection to fast Internet feed such as Fiber and VDSL2. The 10/100 Base-TX port can act as back up or primary WAN, which is suitable for sharing bandwidth of xDSL or cable modem. In case of your primary ISP or DSL line suffering temporary outage, WAN-backup offers you redundancy to let the secondary Internet access temporarily route Internet traffic. All traffic will be switched back to your normal communication port as services are resumed.

The Dual WAN features of Vigor2920 series ensure your operational efficiency and business network continuity.

Enhanced security

The Vigor 2920 series offer you robust firewall options with both IP-layer and content-based protection. The DoS/DDoS prevention and URL/Web content filter strengthen the security outside and inside the network. The enterprise-level CSM (Content Security Management) enables users to control and manage IM (Instant Messenger) and P2P (Peer-to-Peer) applications more efficiently. The CSM hence prevents inappropriate content from distracting employees and impeding productivity. Furthermore, the CSM can keep office networks threat-free and available.

With CSM, you can protect confidential and essential data from modification or theft.

Comprehensive VPN

For remote tele-workers and inter-office links, the Vigor2920 and Vigor2920n provide up to 32 simultaneous VPN tunnels (such as IPSec/PPTP/L2TP protocols) for secure data exchange and communication.

With a dedicated VPN co-processor, the hardware encryption of AES/DES/3DES and hardware key hash of SHA-1/MD5 are seamlessly handled, thus maintaining maximum router performance. The LAN-to-LAN and remote dial-in capabilities are ideal for remote office linking or tele-worker connections to access branch or head office resources to handle upcoming tasks wherever they are. Vigor2920 and Vigor2920n's comprehensive VPN functions simply escalate productivity in a secure and convenient approach.

Advanced management via WLAN

Vigor2920n is embedded with WiFi certificated WLAN. Besides the encryption methods of WEP/WPA/WPA2 and MAC address control, it also offers wireless LAN isolation, Wireless VLAN and 802.1X authentication. WDS (Wireless Distribution System) can help users extend wireless coverage easily. Moreover, the wireless rate control can adjust the connection rate of each wireless station. The WMM (Wi-Fi Multimedia) keeps the priority of voice, video and audio applications in a Wi-Fi network. The bandwidth allocated for video and when traffic conditions change, the video traffic will maintain its allocated bandwidth, whereas the remaining bandwidth is hared by non-priority traffic. While watching video, you are less likely to see slow action. WMM lowers priority of other network traffic, which is not time-critical such as large file downloading.

Vigor2920n's WLAN advanced management capability takes away concerns of coverage and security.

Multi-task USB functionalities

Through mobility, brought by cellular networks, you can connect 3.5G USB mobile to 2.0 version USB port on Vigor2920 and Vigor2920n. This can be used for your primary Internet feed while you are on the bus, in a car, at your summer house or enjoying outdoor events. The 3.5G USB mobile can be a backup broadband connection if the primary fixed line drops. The Vigor2920 and Vigor2920n's USB port can also be used to add storage memory. You can connect USB disk or hard-drive to USB port for file sharing. The Vigor2920 and Vigor2920n provides FTP access file uploading/downloading, which can be used from the local LAN or from anywhere on the Internet. If you are a freelance journalist, you can let newspaper or magazine download your report and photo because you deploy file depository on Vigor2920 series. The access can be using "username and password" or 'public'. Each of them can have their own directories and/or file access rights.

bg WiFi n CERTIFIED®

Gigabit WAN/LAN

3.5 G Support USB Modem

VPN

CSM

IEEE 802.11n MIMO Wireless

DrayTek Vigor2920n

Hardware Interface

- 4 x 10/1000Base-TX LAN Switch, RJ-45
- 1 x 10/100Base-TX WAN1 Port, RJ-45
- 1 x 10/1000Base-TX WAN2 Port, RJ-45
- 3 x Detachable Single-band Antennas (n model)
- 1 x Factory Reset Button
- 1 x Wireless on/off/WPS Button (n Model)
- 1 x USB Host 2.0 (for Printer/3.5G USB Modem)

WAN Protocol

- DHCP Client
- Static IP
- PPPoE
- PPTP
- L2TP
- BPA

Dual-WAN (Ethernet / 3.5G)

- Outbound Policy-based Load-balance
- BoD (Bandwidth on Demand)
- WAN Connection Failover

Bandwidth Management

- 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
- Layer-2 (802.1p) and Layer-3 (TOS/DSCP) QoS Mapping*

Wireless Access Point (n model)

- IEEE802.11n Compliant
- Wireless Client List
- Wireless LAN Isolation
- 64/128-bit WEP/WPA/WPA2
- WPS
- MAC Address Access Control
- Access Point Discovery
- WDS (Wireless Distribution System)
- 802.1x Authentication
- Hidden SSID
- Multiple SSID
- Wireless Rate-control
- IEEE802.11e : WMM (Wi-Fi Multimedia)

Firewall

- Multi-NAT, DMZ Host, Port-redirection and Open Port
- Object-based Firewall
- 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 Management

- IM/P2P Applications Blocking
- URL Keyword Filter (Whitelist and Blacklist)
- GlobalView Web Content Filter (Powered by com*touch*) *

VPN

- Up to 32 VPN Tunnels
- Protocol : PPTP, IPSec, L2TP, L2TP over IPSec
- Encryption : MPPE and Hardware-based AES/DES/3DES
- Authentication : Hardware-based MD5, SHA-1
- IKE Authentication : Pre-shared Key and Digital Signature (X.509)
- LAN-to-LAN, Teleworker-to-LAN
- DHCP over IPSec
- NAT-traversal (NAT-T)
- Dead Peer Detection (DPD)
- VPN Pass-through

USB

- 3.5G USB Modem as 2nd WAN
- Printer Sharing
- File System* :
  - Support FAT32/FAT16 File System*
  - Support FTP Function for File Sharing*
  - Support Samba for Windows File Sharing*

Network Feature

- DHCP Client/Relay/Server
- IGMP Proxy
- Dynamic DNS
- NTP Client
- Call Scheduling
- RADIUS Client
- DNS Cache/Proxy
- UPnP 30 Sessions
- Routing Protocol:
  - Static Routing
  - RIP V2
- Port-based VLAN
- Packet Forwarding Acceleration

Network Management

- Web-based User Interface (HTTP/HTTPS)
- Quick Start Wizard
- CLI (Command Line Interface, Telnet/SSH)
- Administration Access Control
- Configuration Backup/Restore
- Built-in Diagnostic Function
- Firmware Upgrade via TFTP/FTP/HTTP/TR-069
- Logging via Syslog
- SNMP Management MIB-II
- Management Session Time Out
- 2-level Management (Admin/User Mode)
- TR-069 Management
- TR-104 Management

* Firmware Upgradeable

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Vigor2920	

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