

# DrayTek

Providing Productivity and Security for  
**Small, Medium and Large Businesses**

- **Vigor3900** Series
- **Vigor2960** Series



- Super Fast broadband technology
- High Availability with Multi-WAN Load Balancing
- Enterprise-level Firewall security
- Comprehensive VPN Gateway capability
- Advanced network management tools



TAIWAN  
EXCELLENCE  
2012

# DrayTek

With the advancement of Internet services and networking technology, businesses have become more and more dependent on the Internet access and security mechanism of networking devices. With the ever increasing Internet speed of xDSL/FTTX /Cable, more and more bandwidth hungry applications, including data, voice, video, Cloud-based services, FTP, etc., are becoming the lifelines for businesses. So the next networking devices that businesses, large or small, will need are ones that can cover all the above requirements.

DrayTek's Vigor3900 and Vigor2960 series are business grade VPN Firewall routers that support secure super fast broadband with multi-WAN load-balancing and fail-over, and other advanced network management functions. Vigor3900 is with equipped four Gigabit Ethernet WAN ports, two Gigabit LAN ports and two SFP fiber slots (one for WAN and one for LAN), whereas Vigor2960 comes with two Gigabit Ethernet WAN ports and four Gigabit LAN ports.

High Availability feature of the Vigor3900 supports an additional Vigor3900 as a hot standby slave to ensure uninterrupted Internet access should the master unit fail. This is in addition to the security provided by the multi-WAN Load Balancing feature which allows continued Internet access should one of the Internet services fail.

VPN is a primary method used for secure communication between multi-site offices or for tele-workers to access data in their offices. The Vigor3900 and Vigor2960 both incorporate an innovative concept of a Central VPN Gateway, providing secure connectivity for businesses. Vigor3900 supports up to 500 VPN tunnels, and up to 200 SSL VPN tunnels simultaneously, whereas Vigor2960 supports up to 200 VPN tunnels and 100 SSL VPN tunnels simultaneously.

Using the GRE over IPsec VPN technology, the multi-WAN capability of both Vigor3900 and Vigor2960 allows high bandwidth VPN tunnels to be formed from multi-WANs, and to provide bandwidth backup between multi-site offices. The Vigor3900 provides the Web Proxy based SSL encryption for tele-workers and/or remote access.

DrayTek's comprehensive Firewall features are incorporated in Vigor3900 and Vigor2960 and include Web Content Filter, URL Filter, Denial of Services and Application Filter (IM Objects, P2P Objects and Protocol Objects). Combined with a time scheduler, any combination of Firewall settings can be programmed as required. This allows network administrators flexibility to set the network policies for different user groups or branches, according to required time schedules.

DMZ allows businesses to run servers for the public while ensuring the corporate data network is not compromised. For example, Web server, video server, FTP server, Cloud-based server, etc., can be provided through the DMZ for the public to access, while the internal network remains secured.

Many businesses rely on Virtual LANs (VLANs) to segregate access to sensitive data for different staff groups, e.g. Sales Financial group or Guest group, allowing businesses flexibility of VLAN network design. The Vigor3900 and Vigor2960 supports up to 50 and 20 VLAN groups respectively. Additionally, DrayTek's VigorSwitch G2260 and VigorSwitch P2261 complement Vigor3900 and Vigor2960 to implement 802.1Q VLAN network infrastructure.

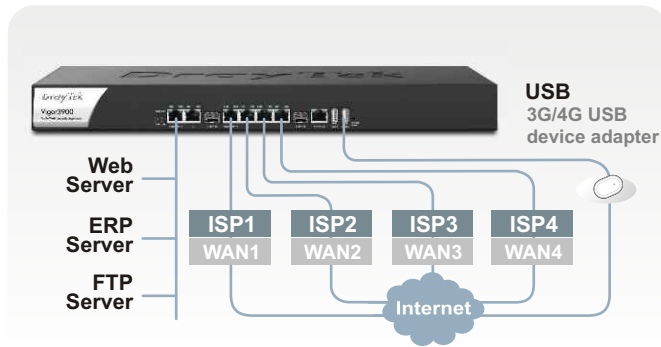
With all types of traffic competing for limited bandwidth, Quality of Services (QoS) allows essential data services or important applications to have higher priorities over the remaining traffic. Both Vigor3900 and Vigor2960 support QoS for mission-critical data traffic.

For multi-site networks, TR-069 allows network administrators to remotely configure the network devices so as to save time and network management costs. Together with DrayTek's VigorACS central management software, Vigor3900 and Vigor2960 support TR-069 for tasks such as upgrading firmware, configuring Firewall, and establishing and monitoring VPN sessions.

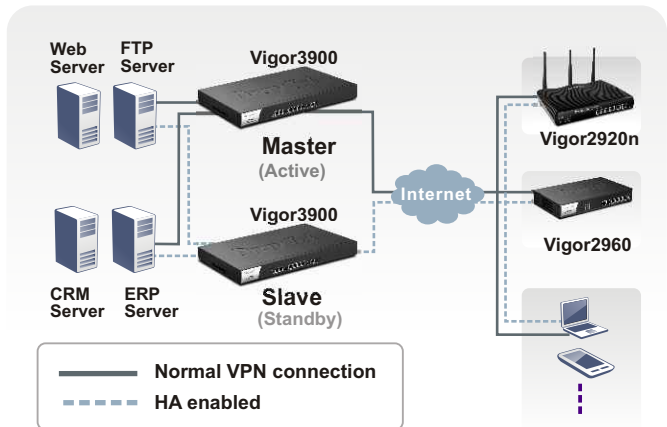
Vigor3900 and Vigor2960 support DrayTek's multi-leveled user access, meaning that staff can be assigned appropriate access to corporate resources, such as ERP, CRM or any web-based servers. This allows flexible assigning of access for different user groups, and ensures integrity of the internal data.

# Uninterruptable Internet Access

## Multi-WAN Load Balancing/Failover

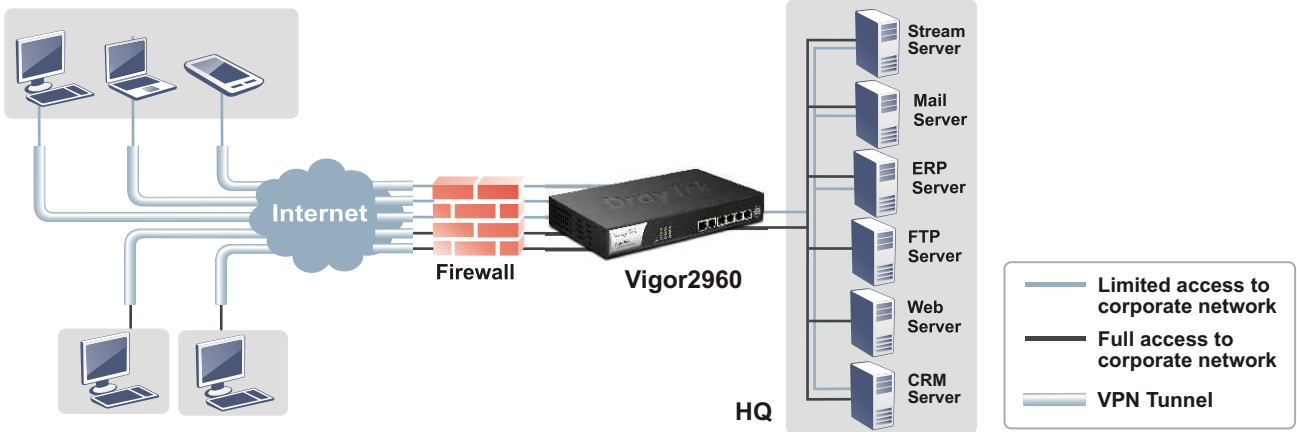


## High Availability

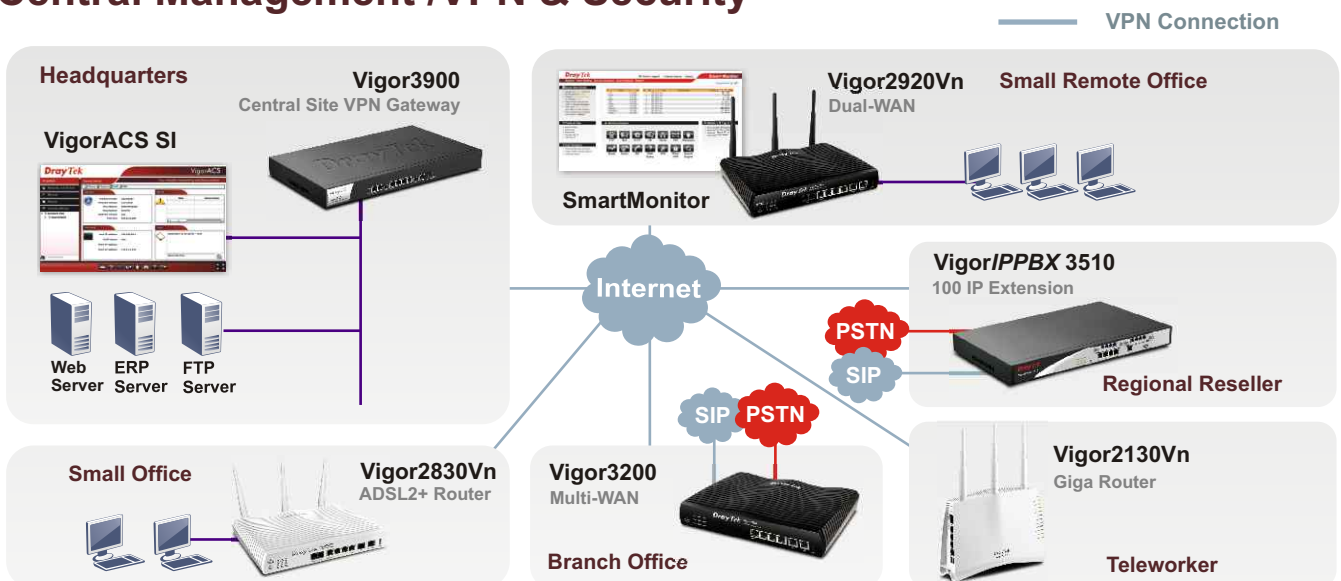


# Robust Firewall with User Management

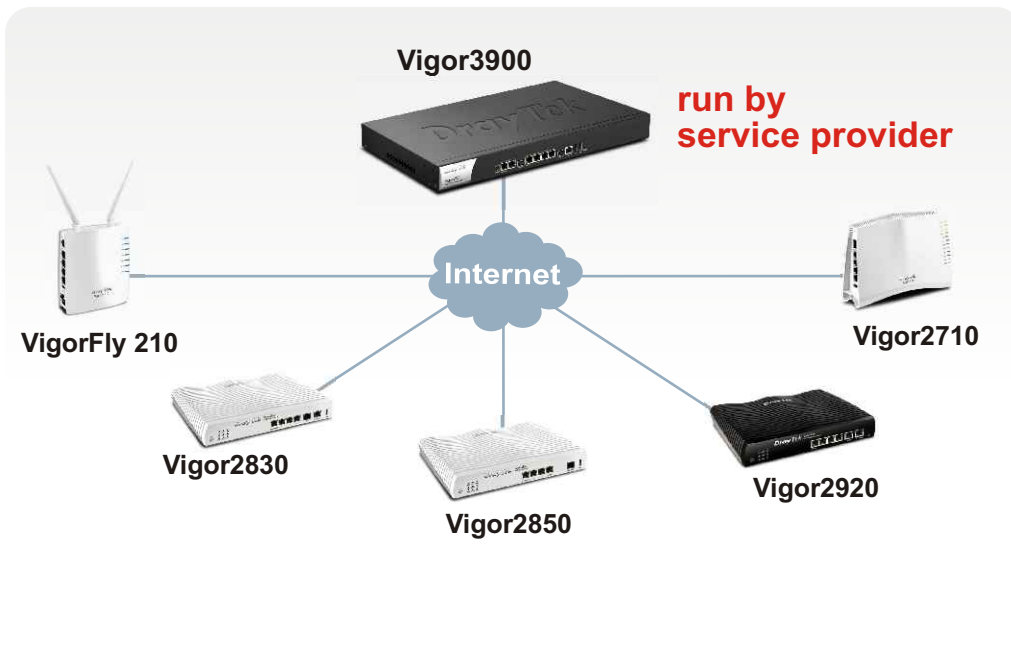
## Outbound Sales



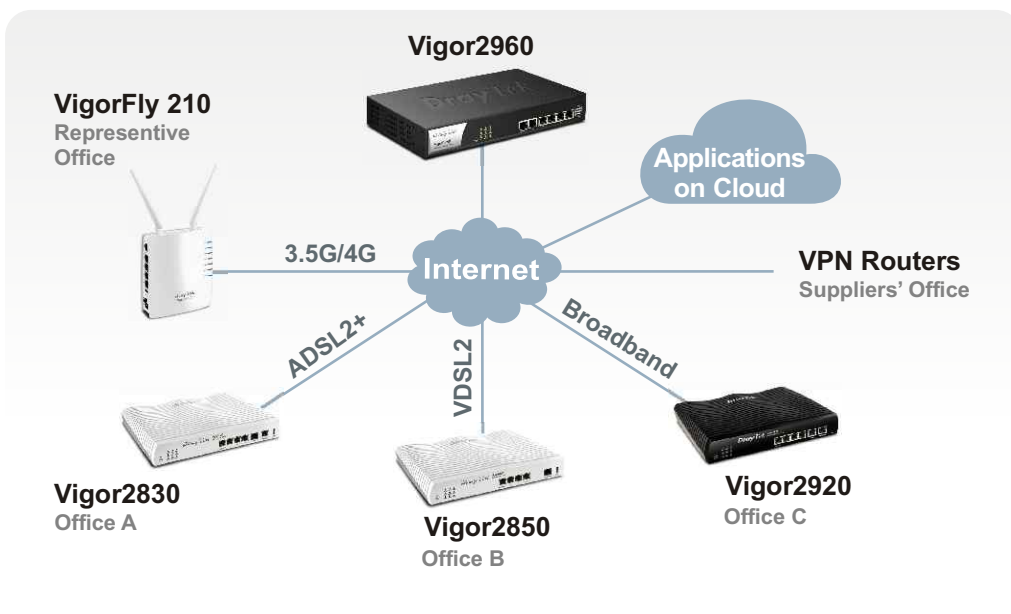
# Central Management /VPN & Security



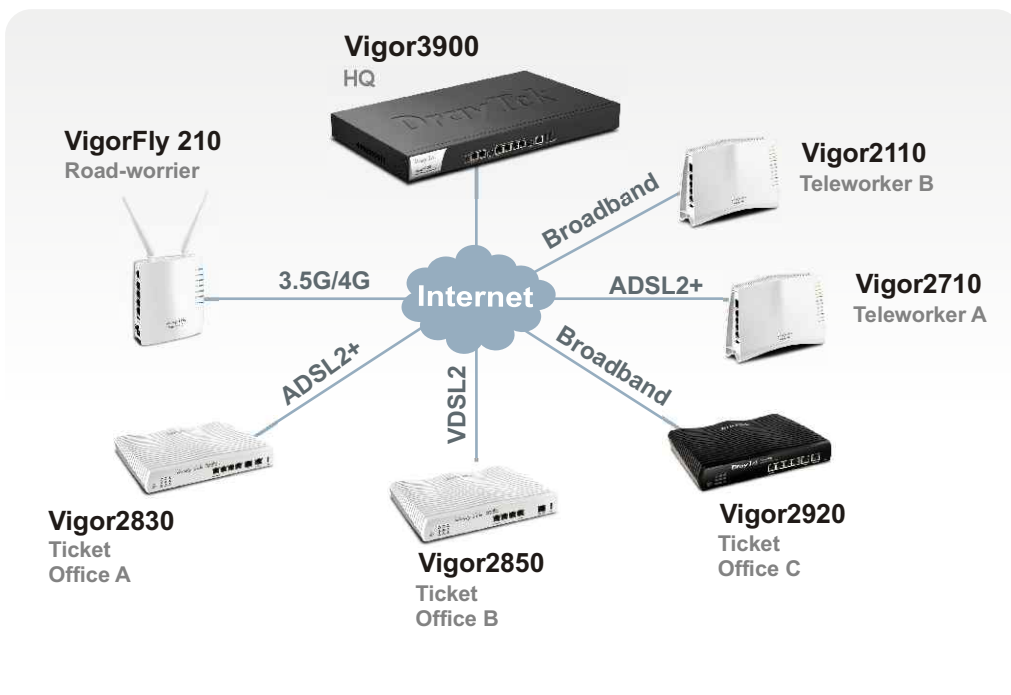
**A** If you are a service provider, you can consider following solutions.



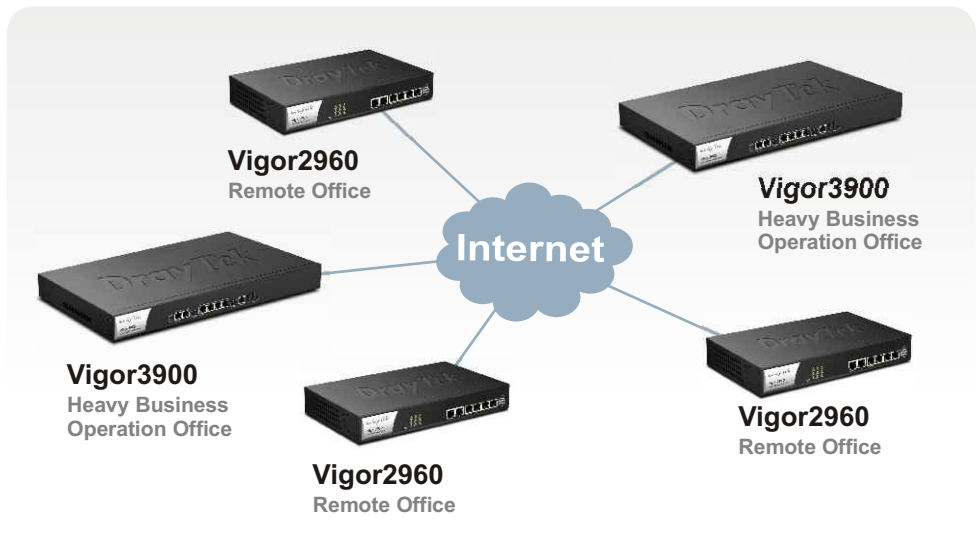
**B** If your business operations requires frequent communications with many suppliers and multi-site branch offices.



**C** If your main office prefers to have a simultaneous 500 VPN tunnels for teleworkers or road-warriors, ticket offices..... The said solutions are very ideal for travel agencies, logistic warehouse, insurance companies.

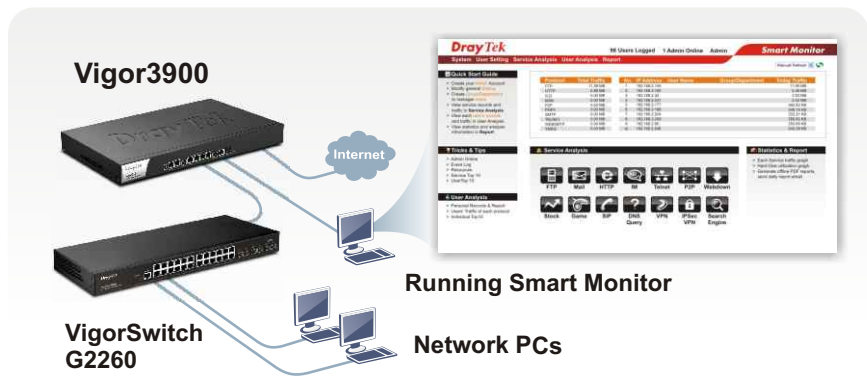


**D** Some remote offices such as post office or banks prefer to have robust VPN router, the offices located in major cities needs super-performance VPN connections for its heavy business operations.



## Efficient Management

We provide you with **Smart Monitor** which is a FREE Network Traffic Analyzer to analyze in great depth your Internet traffic, as a professional aid of improving efficiency and detecting potential problems on your network.



If your business operations require deployment of many DrayTek TR-069-compliant Vigor series routers, the installation of **VigorACS SI** at your main site will facilitate your network management and maintenance over multi-site Vigor series routers.



**Firmware Upgrade Wizard**  
Conduct centrally upgrade all at once with scheduling capability.



**Copy Parameter**  
Save great deal of time copying parameters from one device to others.



**VPN Wizard**  
Just drag devices on the screen and done without typing profile info.



**Reports**  
View reports online and export to your favorite format(s) for future reference.

## Features Comparison of Vigor3900 and Vigor2960

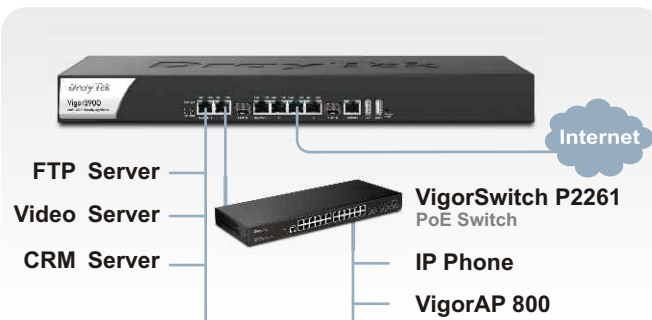
|                        | Vigor3900       | Vigor2960       |
|------------------------|-----------------|-----------------|
| Number of VPN tunnels  | 500             | 200             |
| Number of VLAN         | 50              | 20              |
| NAT Sessions           | 120,000         | 80,000          |
| Ethernet WAN           | 4 Gigabit ports | 2 Gigabit ports |
| Ethernet LAN           | 2 Gigabit ports | 4 Gigabit ports |
| Fiber WAN port         | 1 SFP slot      | 1 SFP slot**    |
| Fiber LAN port         | 1 SFP slot      |                 |
| SSL VPN Tunnels*       | 200             | 100             |
| DMZ Function           | DMZ host        | DMZ host        |
| IPv6                   | ●               | ●               |
| VPN backup*            | ●               | ●               |
| VPN Load Balancing     | ●               | ●               |
| High Availability      | ●               | ●               |
| In & Out Loadbalancing | ●               | ●               |

\*Firmware Upgradable

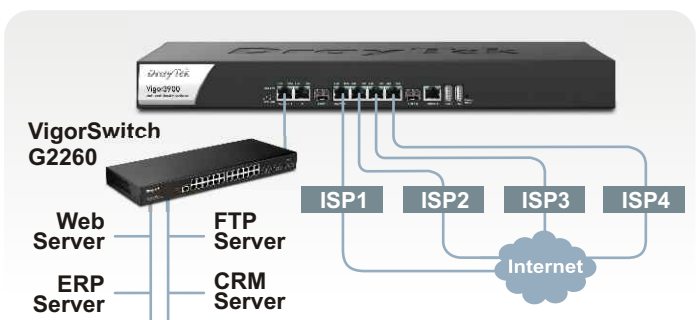
\*\*Vigor2960F only (1 GE WAN & 1 Fiber WAN)

## Recommended Accessories

### 1 You can extend your network via a 2.4GHz/5GHz WLAN



### 2 You can extend your fixed network with scalability



### 3 Flexible Multiple VLAN Architecture

