

## Technical Specification

### Anti-Virus

- Scan SMTP, POP3, HTTP, IMAP, FTP
- Scan ZIP/GZIP/BZIP2
- Scan encrypted VPN tunnels
- Automatic virus signature update
- Automatic alert when signature update service expires
- Real-time e-mail/syslog alert when virus is detected

### Anti-Intrusion

- Rule-based detection list
- Pass/block/reset when intrusion is detected
- Automatic intrusion signature update
- Automatic alert when signature update service expires
- Real-time e-mail/syslog alert when under attack

### Virtual Private Network (VPN) Facilities

- Up to 200 VPN tunnels
- Supported protocol: PPTP, IPSec, L2TP, L2TP over IPSec
- DHCP over IPSec
- 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
- NAT-T (NAT Traversal)
- DPD (Dead Peer Detection)
- VPN pass-through

### Firewall Facilities

- IM/P2P blocking
- Multi-NAT, DMZ host, port-redirect / open port
- Rule-based packet filtering
- SPI (Stateful Packet Inspection)
- DoS/DDoS protection
- IP address anti-spoofing
- E-mail alert and logging via syslog

### Flexible Web Filtering

- Block URL (web-site) by user-defined keywords
- Preclude web surfing from using directly IP address
- Block automatic download of Java applets and Active X controls
- Block web site cookies and proxy
- Block http downloads of file types: Executable/Compressed/Multi-media
- Support time schedule to control the restrictions and regular Internet access
- Web content filter (SurfControl)

### QoS

- Class-based bandwidth guarantee by user-defined traffic categories
- Support four priority-levels
- Support DiffServ Codepoint classifying
- Port-based rate throttling capability

### Router Management

- Web-based user interface (HTTP/HTTPS)
- Quick Start Wizard
- CLI (Command Line Interface, Telnet)
- Administration access control
- Configuration backup/restore
- Built-in diagnostic function
- Firmware upgrade via TFTP/FTP
- Syslog
- SNMP management

### Dual WAN

- Two 10/100M Base-Tx port with a RJ-45 connector
- Load balancing
- Network Connection failover
- Bandwidth on demand (BOD)
- DHCP client for cable service
- Static IP address assignment for fixed IP networks
- PPPoE/PPTP client for ADSL service

### Gigabit LAN

- Up to 5 port 10/100/1000M gigabit Ethernet switch
- DHCP server for IP assignment (up to 253 users)
- DNS cache and proxy
- NAT (Network Address Translation)
- Virtual server via port redirection or open port
- Support port-based VLAN

# VigorPro 200

## Unified Security Firewall

- ◆ All-in-one Unified Security Firewall
  - Unified Anti-virus & Anti-intrusion threat management system
  - VPN firewall
- ◆ Hardware-accelerated, Real-time Response
- ◆ Network-level Protection
  - Block viruses at the point of network entry
  - Provide protection of all hosts inside network edge before threats intrude
- ◆ Content-based Inline Inspection
  - MSSSI ( Multi-Stack Stateful Inspection) provides deep content inline scanning
  - Scan all major network protocols
- ◆ Less TCO (Total Cost of Ownership)



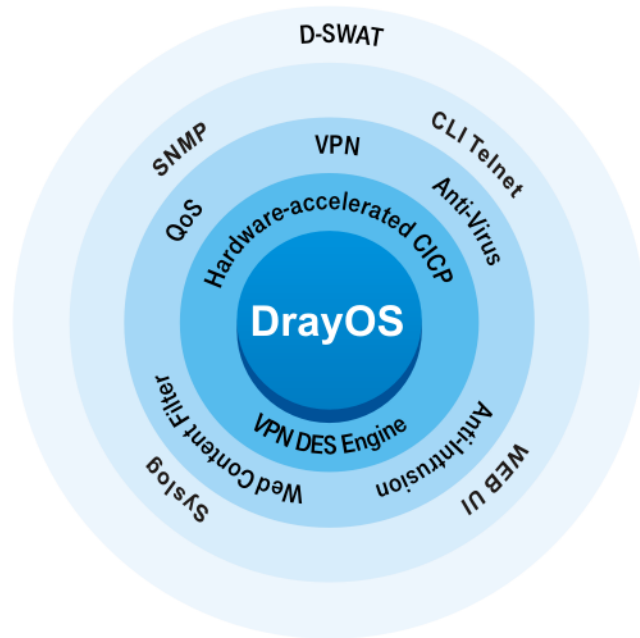
## Why VigorPro 200

The conventional firewall is not capable of blocking so-called "content-based" network attacks from viruses, worms and Trojans, because it only inspects IP's packet header. The vulnerability of the business network also results from complex attacks intruding into business network via Internet applications such as Web surfing, e-mail, FTP, versatile instant messaging and peer-to-peer application. To combat these modern attacks, VigorPro 200, the next generation unified security firewall, provides a lot of benefits for SOHO and business application.

## All-in-one Unified Security Firewall

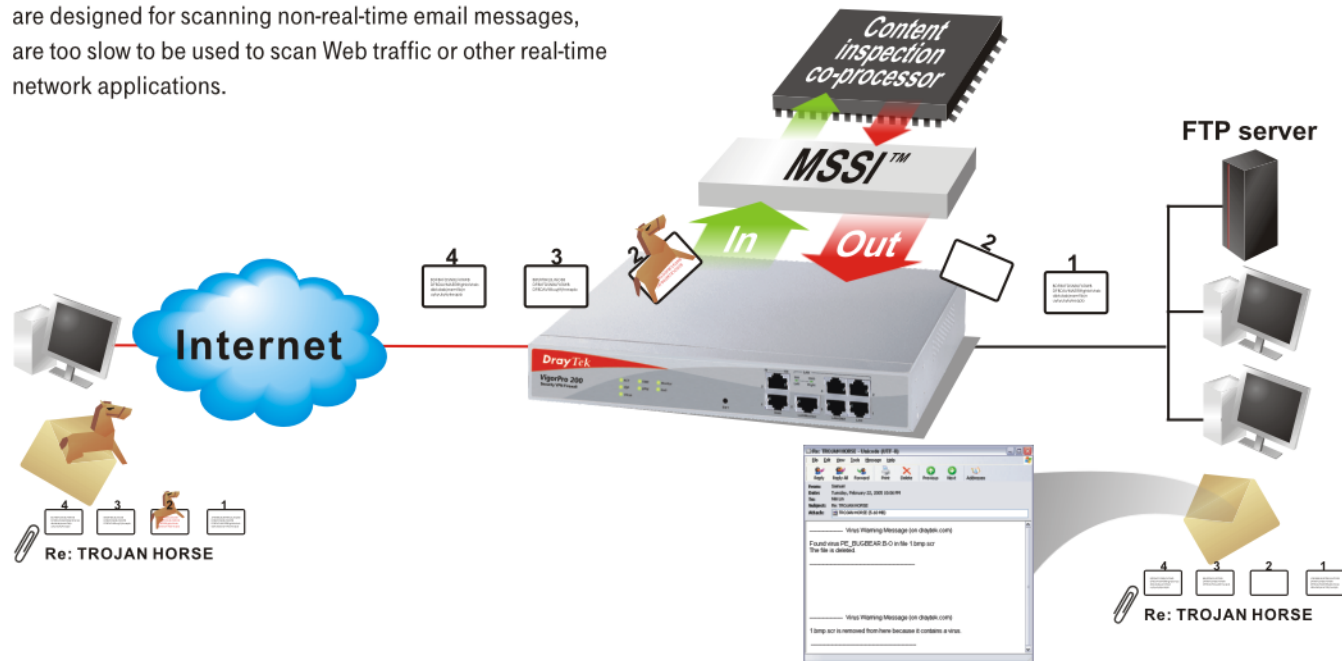
Conventional firewalls are blind to today's attacks, and also cannot detect inappropriate e-mail and Web content. The most common solution is a complex, costly collection of independent systems to deal with each of these threats along with network-level intrusions and attacks. The VigorPro 200 is capable of providing a complete complement of integrated services including:

- Anti-virus
- Intrusion prevention
- Intrusion detection
- Web Content filter (power by SurfControl)
- VPN
- Firewall



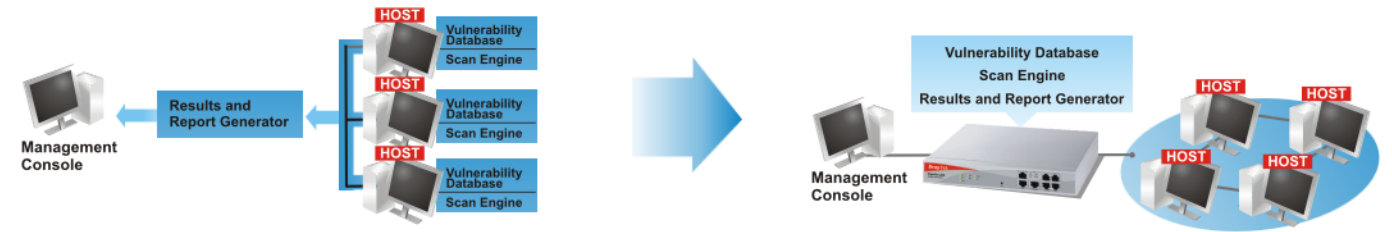
## Hardware-accelerated, Real-time Response

The VigorPro 200 employs a unique, hardware-accelerated architecture that provides the ability to perform real-time security without slowing down critical network applications, such as Web traffic. Software-based anti-virus systems, which are designed for scanning non-real-time email messages, are too slow to be used to scan Web traffic or other real-time network applications.



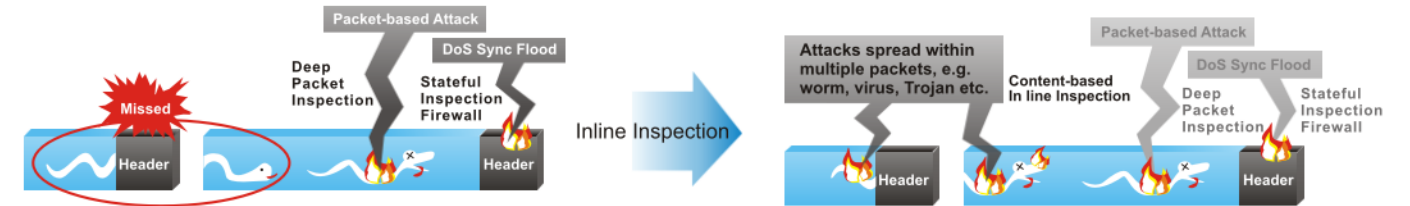
## Network-level Protection

Conventional way to protect against virus or malicious program, requires each host to install software on the host. To install software on a large number of hosts is a time consuming process. To evaluate the vulnerabilities, both scan engine and database of virus pattern need constant upgrade. It is very costly and annoying for IT personnel with high maintenance. While VigorPro 200 works as firewall as well as internet gateway, so by nature VigorPro 200 blocks any attacks at the point of network entry. Through the web user interface, the network administrator can monitor and instruct the VigorPro 200 to look for any vulnerability per network-level. Provide protection of all hosts inside network edge before threats intrude.



## Content-based Inline Inspection

Conventional firewalls only inspect packets header to against any connection-based attack. While the content-based threats today, such as virus, worms, Trojans or banned content, spread faster and do more damage. Conventional firewalls bypass the widely spread content-based threat and expose internal network to outside world. VigorPro 200 deploys DrayTek's unique MSSSI™ (Multi-Stack Stateful Inspection) mechanism. With MSSSI™, VigorPro 200 inspects packet streams, compares any suspected content or behavior with build-in database in real-time, and provide inline anti-virus and anti-intrusion protection.



## Lower Total Cost of Ownership

It is quite costly to purchase and manage discrete security solution. A large number of host-based solution requires endless maintenance. To maintain complex system, IT resources needs constant education and training. VigorPro 200 customers do not need to license any operating system, nor do they incur per-host cost. The all-in-one structure not only provides required network functionality, also makes network system maintenance simple and easy.

## D-SWAT

D-SWAT is the abbreviation of "DrayTek Security Warning and Anti-attack Team". To provide a better service and protect your investment, DrayTek and our partners are committed to our customer's satisfaction. D-SWAT provides expertise with:

- Research: security information gathering and analysis, hacking techniques analysis, virus samples collection, analysis, exploits collection and analysis
- Training: hacking techniques and incident handling
- Service: D-SWAT security portal website, signature upgrade, news letter and security advisories
- For more information please visit: <http://www.vigorpro.com>