

Unified Security Firewall

| | VigorPro 5300 series | | | | | VigorPro 5510 series | |
|--------------------------------------------------------|-------------------------------------------|---------|---------------|---------|---------|----------------------|----------|
| | 5300 | 5300n | 5300Vn | 5300VS | 5300VSn | 5510 | 5510Gi |
| Dual-WAN | | | | | | | |
| Load-Balance | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Fail-Over | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BoD (Bandwidth on Demand) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LAN | | | | | | | |
| | | | 4-Port Switch | | | 5 Giga Port | |
| USB Port | | | | | | | |
| Printer Server | | | | | | ✓ | ✓ |
| 3.5G USB modem | | | | | | ✓ | ✓ |
| Wireless | | | | | | | |
| | | 802.11n | 802.11n | | 802.11n | | Super G™ |
| MAC Address Access Control | | ✓ | ✓ | | ✓ | | ✓ |
| WEP/WPA/WPA2 Encryption | | ✓ | ✓ | | ✓ | | ✓ |
| 802.1X Authentication | | ✓ | ✓ | | ✓ | | ✓ |
| Wireless LAN Isolation | | ✓ | ✓ | | ✓ | | ✓ |
| Wireless VLAN | | | | | | | ✓ |
| Multiple SSID | | ✓ | ✓ | | ✓ | | ✓ |
| Wireless Rate Control | | ✓ | ✓ | | ✓ | | ✓ |
| AP Discovery | | ✓ | ✓ | | ✓ | | ✓ |
| WDS | | ✓ | ✓ | | ✓ | | ✓ |
| 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 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Supplemental Services | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Anti-Spam | | | | | | | |
| Scan SMTP/POP3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Real-time e-mail/Syslog alert | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Black/White list | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| VoIP | | | | | | | |
| Protocol | SIP, RTP / RTCP | | ✓ | ✓ | ✓ | | |
| SIP Account | | | 12 | 12 | 12 | | |
| FXS | | | 2 | 2 | 2 | | |
| ISDN S0 | | | Up to 2 | Up to 2 | Up to 2 | | |
| ISDN On-net / Off-net / Loop-through | | | ✓ | ✓ | ✓ | | |
| Codec | G.711, G.723.1, G.726, G.729, VAD / CNG | | ✓ | ✓ | ✓ | | |
| DSP Features | G.168 Line Echo-Cancellation | | ✓ | ✓ | ✓ | | |
| | Jitter Buffer (ms) | | 125ms | 125ms | 125ms | | |
| FAX / Modem Support | Caller ID | | ✓ | ✓ | ✓ | | |
| | G.711 pass-through / T.38 | | ✓ | ✓ | ✓ | | |
| Supplemental Services | Internal Call | | ✓ | ✓ | ✓ | | |
| | Call Hold / Retrieve / Waiting / Transfer | | ✓ | ✓ | ✓ | | |
| | Call Waiting with Caller ID | | ✓ | ✓ | ✓ | | |
| | Call Forwarding (Always, Busy, No Answer) | | ✓ | ✓ | ✓ | | |
| | DND (Do not Disturb) / Hotline | | ✓ | ✓ | ✓ | | |
| DTMF Tone | MWI (Message Waiting Indicator) | | ✓ | ✓ | ✓ | | |
| DialPlan | Inband, Outband (RFC-2833), SIP Info | | ✓ | ✓ | ✓ | | |
| | Phone Book / Digit Map / Call Barring | | ✓ | ✓ | ✓ | | |
| VPN | | | | | | | |
| Tunnel | 100 | 100 | 100 | 100 | 100 | 200 | 200 |
| Protocol | PPTP, L2TP, IPSec, L2TP over IPSec | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Encryption | AES / DES / 3DES | | Hardware | | | Hardware | |
| | MPPE | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Authentication | MD5, SHA-1 | | Hardware | | | Hardware | |
| IKE Authentication | Pre-shared Key / Digital Signature | | ✓ | ✓ | ✓ | ✓ | ✓ |
| NAT-Traversal | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| DHCP over IPSec | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| VPN Backup & VPN loadbalance | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Bandwidth Management | | | | | | | |
| Policy-based QoS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Bandwidth / Session Limitation | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Firewall | | | | | | | |
| Object-based Firewall | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| DoS / DDoS Prevention | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| CSM (Content Security Management) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| SSL VPN | | | | | | | |
| Web Application | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Tunnel mode | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

* Firmware Upgradeable