FVX538

ProSafe™ VPN Firewall 200
with 8-port 10/100 and 1 Gigabit LAN and Dual WAN Port Switch

• Help is there when you need it! NETGEAR provides 24x7 technical support* in English, with selected local language support during office hours.

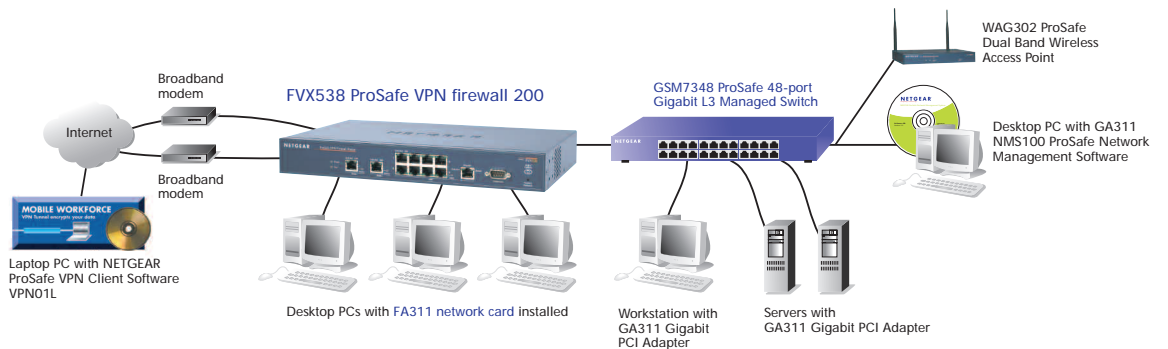## High Performance, Manageable Dual WAN Security Firewall

At the heart of your office network, NETGEAR's high performance security appliance, ProSafe™ VPN Firewall 200 offers a complete security solution for small and medium sized companies. This rack-mountable, Stateful Packet Inspection (SPI) firewall is equipped with support for up to 200 security associations (VPN tunnels). The FVX538 can serve as a DHCP Server, supports Simple Network Management Protocol (SNMP), Quality of Service (QoS) and has a powerful SPI firewall to protect your PCs against intruders and most common Internet attacks. With support for Trend Micro anti-virus policy enforcement functionality, the FVX538 ships with a 60 day evaluation copy of Trend Micro™ Client/Server Suite for SMB and Trend Micro Client/Server/Messaging Suite for SMB for customers without current licenses. Designed with small businesses in mind, the Trend Micro CS and CSM combine workstation and server virus protection (including Trojans, worms, and hackers, plus spyware, grayware, and blended threats) into a single solution, empowering small business owners to deploy and manage an effective antivirus strategy with limited IT investment.

Featuring eight auto-sensing 10/100 Mbps LAN ports, one Gigabit LAN port and two 10/100 WAN ports, the ProSafe VPN Firewall FVX538 lets multiple computers in your office share two Internet connections. The dual WAN ports let you connect a second Internet line as a backup to insure that you're never disconnected. One LAN port can be dedicated as a hardware DMZ port for safely providing services to the Internet without compromising security on your LAN.

Richer Security
This powerful VPN Firewall extends security from the network core to the perimeter by preventing unauthorized network access using a SPI firewall, blocking denial of service (DoS) and other attacks, encrypting traffic traveling across the Internet and added support for anti-virus and anti-spam policy enforcement.

Capacity To Spare
Dual WAN ports support two broadband connections. A second WAN port supports an additional broadband connection. This second WAN connection may be configured as a failover connection in case the primary connection fails or can be used to balance the workload by distributing traffic across the two connections for optimal per user bandwidth.

Superior Value and Usability
Competitively priced and SNMP manageable, convenient VPN Wizard gathers basic information about your networks and recommends a VPN solution with supporting instructions. Bundled with NETGEAR's ProSafe VPN client software (VPN05L) — a five user license is included. Virtual Private Network Consortium (VPNC) certified VPN supports secure data connectivity and transmission over the Internet and ensures interoperability with many other popular security products.

WAG302 ProSafe Dual Band Wireless Access Point

Broadband modem

FVX538 ProSafe VPN firewall 200

GSM7348 ProSafe 48-port Gigabit L3 Managed Switch

Desktop PC with GA311 NMS100 ProSafe Network Management Software

Internet

Broadband modem

MOBILE WORKFORCE

Laptop PC with NETGEAR ProSafe VPN Client Software VPN01L

Desktop PCs with FA311 network card installed

Workstation with GA311 Gigabit PCI Adapter

Servers with GA311 Gigabit PCI Adapter

NETGEAR®
Connect with Innovation™

NETGEAR Related Products

- **Accessories:**
  - VPN01L and VPN05L ProSafe VPN Client Software
  - NMS100 ProSafe Network Management Software

- **VPN Firewalls:**
  - FVS124G ProSafe Gigabit VPN Firewall 25
  - FVS338 ProSafe VPN Firewall 50
  - FVL328 ProSafe VPN Firewall 100

- **Wireless:**
  - WAG302 ProSafe Dual Band Access Point
  - WG302 ProSafe 802.11g Access Point

VPNC CERTIFIED Basic Interop

VPNC CERTIFIED AES Interop

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- **Switches:**
  - GSM7348 ProSafe 48 Port Gigabit L3 Managed Switch
  - GSM7324 ProSafe 24 Port Gigabit L3 Managed Switch
  - GSM7312 ProSafe 12 Port Gigabit L3 Managed Switch

Physical Interfaces

- **LAN ports:** Eight (8) 10/100 Mbps auto-sensing, Auto-Uplink™ RJ-45 ports; one (1) Gigabit 10/100/1000 Mbps LAN port; one LAN port can be dedicated hardware DMZ port
- **WAN port:** Two 10/100Mbps Ethernet RJ-45 ports with auto fail-over and load balancing
- Serial Port: One console port for command line interface (CLI) support

- **Security Features:**
  - **SPI Firewall:** Stateful Packet Inspection (SPI) to prevent notorious Denial of Service (DoS) attacks, Intrusion Detection System (IDS) including logging, reporting and e-mail alerts, address, service and protocol, Web URL keyword filtering, prevent replay attack (reassembly attack), port/service blocking. Advanced features include block Java/URL/ActiveX based on extension, FTP/SMTP/RPC program filtering
  - **VPN Functionality:** Two hundred (200) dedicated VPN tunnels, Manual key and Internet Key Exchange Security Association (IKE SA) assignment with pre-shared key and RSA/DSA signatures, key life and IKE lifetime time settings, perfect forward secrecy (Diffie-Hellman groups 1 and 2 and Oakley support), operating modes (Main, Aggressive, Quick), fully qualified domain name (FQDN) support for dynamic IP address VPN connections.
  - **IPSec Support:** IPSec-based 56-bit (DES), 168-bit (3DES), or 256-bit (AES) encryption algorithm, MD5 or SHA-1 hashing algorithm, AH/AH-ESP support, PKI features with X.509 v.3 certificate support, remote access VPN (client-to-site), site-to-site VPN, IPSec NAT traversal (VPN pass-through)
  - **Mode of Operation:** One-to-one/many-to-one Multi-Network Address Translation (NAT), classical routing, unrestricted users per port
  - **IP Address Assignment:** Static IP address assignment, internal DHCP server on LAN, DHCP client on WAN, PPPoE client support

- **Performance Features:**
  - **Throughput:** Up to 90 Mbps WAN-to-LAN and 100 Mbps 3DES throughput

- **Management Features:**
  - **Administration Interface:** SNMP (v.2c) support, Telnet, web graphic user interface, Secure Sockets Layer (SSL) remote management, user name and password protected; secure remote management support authenticated through IP address or IP address range and password; configuration changes/upgrades through web GUI.
  - **Configuration and Upgrades:** Upload and down load configuration settings, firmware upgradeable flash memory
  - **Logging:** SYSLOG, e-mail alerts

- **Functions:**
  VPN Wizard to simplify configuration of the VPN, Smart Wizard to automatically detect ISP Address type (static, dynamic, PPPoE), Port Range Forwarding, Port Triggering, Exposed Host (DMZ), Hardware DMZ, Enable/Disable WAN Ping, DNS Proxy, MAC Address cloning/spoofing, Network Time Protocol NTP support, Keyword Content Filtering, email Alerts, DHCP Server (Info and display table), PPPoE login client support, WAN DHCP Client, Diagnostic tools (ping, trace route, other), Port/service, Auto-Uplink on switch ports and Quality of Service (QoS).

- **Protocol Support:**
  - **Network:** IP routing, TCP/IP, UDP, ICMP, PPPoE
  - **IP Addressing:** DHCP (client and server)
  - **Routing:** RIP v1, RIPv2 (Static Routing, Dynamic Routing)
  - **VPN/Security:** IPSec (ESP, AH), MD5, SHA-1, DES, 3DES, IKE, PKI, AES

- **User Support:**
  - **LAN:** Up to 253 users

- **Maintenance:**
  Save/Restore Configuration, Restore Defaults, Upgrades via Web Browser, Display Statistics, Logging, SYSLOG support

- **Hardware Specifications:**
  - **Processor:** 533 MHz Intel XScale IXP425
  - **Memory:** 32MB Flash, 64MB DRAM
  - **Encryption Accelerator:** Cavium Processor with 60+ Mbps (3DES+SHA-1) encryption
  - **Power requirements:** 100-240VAC, 50-60Hz- Dimensions: 33 x 20.3 x 4.4 cm. (13 x 8 x 1.75 in.)
  - **Weight:** 4.42 lbs (2.01 kg)

- **Environmental Specifications:**
  - **Operating temperature:** 0 to 40°C (32 to 104°F)
  - **Operating humidity:** 90% maximum relative humidity, non-condensing

- **Warranty:**
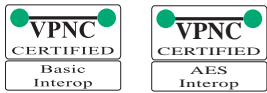 - NETGEAR 3 year warranty

System Requirements

- Cable, DSL or wireless broadband modem and Internet service
- Ethernet connectivity from broadband modem
- Network card for each connected PC
- Network software (e.g. Windows)
- Internet Explorer 5.0 or higher or Netscape Navigator 4.7 or higher

Package Contents

- FVX538 ProSafe VPN Firewall 200
- Ethernet cable
- Rack mount kit
- Installation guide
- Resource CD with five user license of ProSafe VPN Client Software and 60 trial of Trend Micro SMB suite software
- Warranty/Support information card