FVS318
ProSafe™ VPN Firewall
with 8-port 10/100 Mbps Switch

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

8 VPN Tunnels for Encrypted Remote Access

Want the utmost in network security for your office? NETGEAR's FVS318 ProSafe VPN Firewall provides business-class protection at an affordable price. This completely equipped, broadband-capable firewall router offers a Stateful Packet Inspection (SPI) firewall, Denial of Service (DoS) protection and Intrusion Detection, URL key word and content filtering, logging, reporting, and real-time alerts. VPNC certified, it initiates up to 8 IPSec VPN tunnels simultaneously, reducing your operating costs and maximizing the security of your network. With 8 auto-sensing, Auto Uplink™ switched LAN ports and Network Address Translation (NAT) routing, up to 253 users can access your broadband connection at the same time.
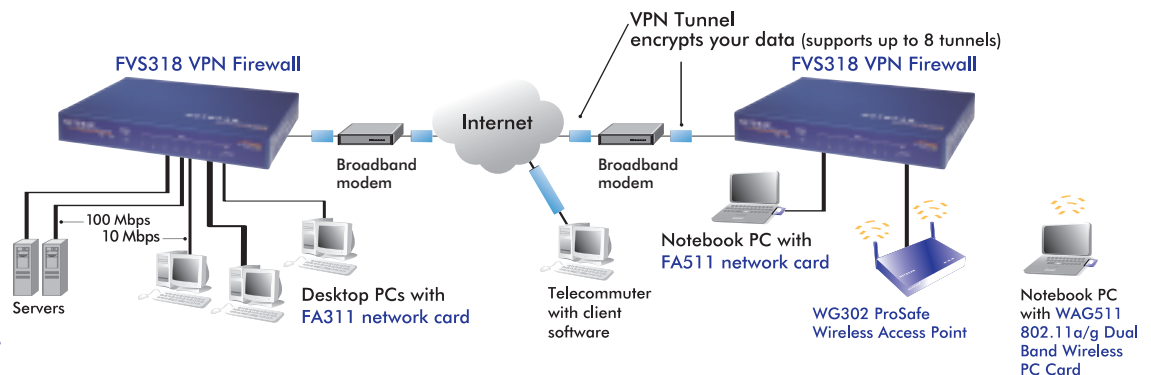
Business-Class Secure
Initiates up to 8 IPSec VPN tunnels simultaneously, allowing for secured connections to branch offices and the "on-the-go" mobile workforce. Network Address Translation (NAT) routing enables shared access to your broadband connection. Includes Web page URL content filtering and strong IPSec encryption and certificate support. Sends you e-mail notification of network activity – reporting and tracking of hacker attempts – as well as real-time alerts.

Well-Armed
Has everything you want for maximum security coverage: True Firewall using Stateful Packet Inspection (SPI) and Intrusion Detection features, Denial of Service (DoS) attack protection, and VPN pass-through for extra security. And, new AES (256-bit) encryption security provides one of the most impenetrable encryption methods available. There's even a Kensington Lock™ slot on the unit for theft protection. The FVS318 ProSafe VPN Firewall provides optimal value and defense against network security threats.

User Friendly
Smart Wizard install assistant connects to your ISP quickly and the easy-to-use Web-based configuration screen reduces setup time. Remote administration capability makes connecting to multiple sites a breeze.

Flexible
Make a VPN connection to other FVS318's or through NETGEAR ProSafe VPN client software*. Support for DHCP (client and server) as well as PPPoE allows for easy, widespread deployment.
*Not included

VPN Tunnel encrypts your data (supports up to 8 tunnels)

FVS318 VPN Firewall

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Internet

Broadband modem

Broadband modem

100 Mbps
10 Mbps

Notebook PC with
FA511 network card

Servers

Desktop PCs with
FA311 network card

Telecommuter
with client
software

WG302 ProSafe
Wireless Access Point

Notebook PC
with WAG511
802.11a/g Dual
Band Wireless
PC Card

NETGEAR ®
Everybody's connecting.

Technical Specifications

- **Physical Interfaces:**
  - **WAN port:** 10/100 Mbps Ethernet RJ-45 port to connect to any broadband modem***
  - **LAN ports:** eight (8) 10/100Mbps auto-sensing, Auto Uplink™ RJ-45 ports (one Cat. 5 UTP cable included)

- **Security Features:**
  - **Firewall:** Stateful Packet Inspection (SPI) to prevent Denial of Service (DoS) attacks (Syn flood, ICMP flood, UDP flood, "ping of death," IP spoofing, land attack, tear drop attack, IP address sweep attack, Win Nuke attack), Intrusion Detection System (IDS) including logging, reporting and e-mail alerts, address, service and protocol), Web URL content filtering

  - **VPN Functionality:** Eight (8) dedicated VPN tunnels, Manual key and IKE Security Association (SA) assignment, 56-bit (DES), 168-bit (3DES), or 256-bit AES IP Sec encryption algorithm, MD5 or SHA-1authentication algorithm, pre-shared key, perfect forward secrecy (Diffie-Helman and Oakley client support), key life and IKE lifetime time settings, prevent replay attack, remote access VPN (client-to-site), site-to-site VPN, IPSec NAT traversal (VPN pass-through)

  - **Mode of Operation:** Network Address Translation (NAT), static routing, unrestricted users per port

  - **IP Address Assignment:** Static IP address assign ment, internal DHCP server on LAN, DHCP client on WAN, PPPoE client support

- **Management Features:**
  - **Administration Interface:** Web graphic user interface, user name and password protected. Smart Wizard install assistant for basic parameter settings.
  - **Secure HTTPS Remote Management Support:** Authenticated through IP address or IP address range, and password
  - **Dynamic DNS**
  - **Configuration and upgrades:** Upload and download configuration settings, field upgradeable flash memory

- **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), MD5, SHA-1, DES, 3DES, IKE, AES, x.509 certificates***

- **RFC Support:**

PPTP client and server	(RFC 2637)
IPSec tunnel mode	(RFC 2401)
HMAC-MD5-96	(RFC 2403)
HMAC-SHA1-96	(RFC 2404)
DES-CBC Cipher algorithm	(RFC 2405)
Encapsulation Security Payload Protocol	(RFC 2406)
DHCP server	(RFC 2131)
DHCP client	(RFC 2131)
TFTP client	(RFC 1350)
IP routing (RIP1, RIP2)	(RFC 2453)
NAT (many-to-one)	(RFC 1631)
Compression Control Protocol	(RFC 1974)
IP control Protocol	(RFC 1332)
PPPoE	(RFC 2516)

- **Functions:**
  DHCP Server (Info and display table), Port Range Forwarding, Exposed Host (DMZ), Enable/Disable WAN Ping, DNS Proxy, PPPoE login client support, WAN DHCP Client, MAC Address Cloning, NTP Support, URL Content Filtering (URL and URL keywords)

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

- **Hardware Specifications:**
  - **Processor:** 200 Mhz 32-bit RISC***
  - **Memory:** 2MB Flash, 16MB SDRAM***
  - **Power requirements:** 12VDC, 1.2A; plug is localized to country of sale
  - **Dimensions (l x w x h):** 18.1 x 25.3 x 3.5 cm (7.1 x 9.95 x 1.4 in)
  - **Weight:** 2 lb., 1oz. (.935kg)

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

- **Warranty:**
  - 3-year limited***

Package Contents
- FVS318 ProSafe VPN Firewall
- Power adapter
- Category 5 cable
- Installation guide
- Resource CD
- Warranty card and support information card

NETGEAR Related Products
- VPN01L ProSafe VPN Client -single user license
- VPN05L ProSafe VPN Client -five user license
- Fast Ethernet PCI Adapter for notebooks (FA311)
- Fast Ethernet Adapter for notebooks (FA511)
- Fast Ethernet USB Adapter (FA120)
- 802.11a/g Dual Band Wireless PC Card (WAG511)

NETGEAR®

VPNC CERTIFIED — Basic Conformance

VPNC CERTIFIED — Basic Interop

Virtual Private Network consortium is the international trade association for manufacturers in the VPN market, promoting interoperability, standards support, education and forums for the VPN community.