FVS318
Cable/DSL ProSafe VPN Firewall
with 8-port 10/100 Mbps switch

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 a NAT router price. This completely equipped, broadband-capable Virtual Private Network (VPN) firewall is a true firewall and provides it all – Denial of Service (DoS) protection and Intrusion Detection using Stateful Packet Inspection (SPI), URL access and content filtering, logging, reporting, and real-time alerts. 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 168-bit 3DES IPSec encryption capability. 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. There's even a Kensington Lock ™ slot on the unit for theft protection. And with free Freedom™ anti-virus and privacy protection software, the FVS318 ProSafe VPN Firewall provides optimal value and defense against network security threats.
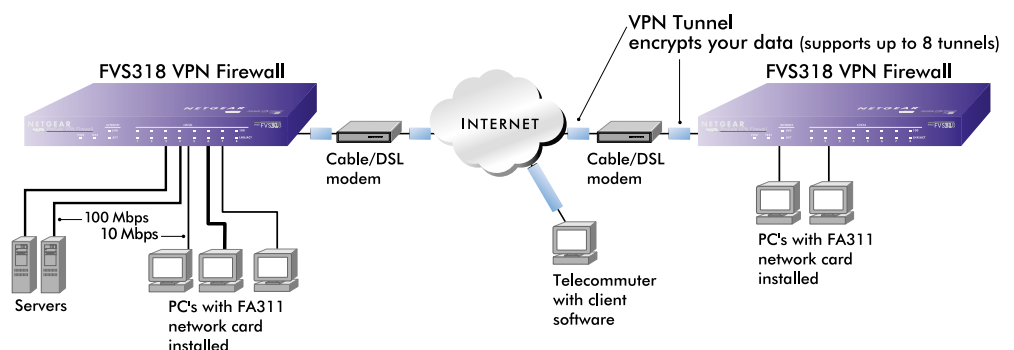
User Friendly

Smart Wizard connects to your ISP quickly; the easy-to-use Web-based configuration screen and Install Assistant reduce setup time. Remote administration capability makes connecting to multiple sites a breeze.
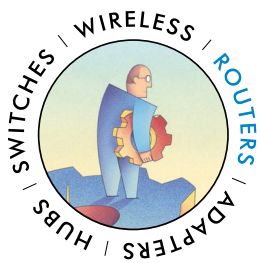
Flexible

Make a VPN connection to other FVS318's or through client software*. Support for DHCP (client and server) as well as PPPoE allows for easy, widespread deployment.

*Not included

Typical Network Setup

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

FVS318 VPN Firewall — Cable/DSL modem — INTERNET — Cable/DSL modem — FVS318 VPN Firewall

100 Mbps
10 Mbps

Servers

PC's with FA311 network card installed

Telecommuter with client software

PC's with FA311 network card installed

NETGEAR®
Everybody's Connecting.™

System Requirements

- Cable, DSL, Satellite 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 4.0 or higher OR
- Netscape Navigator 4.0 or higher

Package Contents

- FVS318 ProSafe VPN Firewall
- Power adapter*
- Category 5 cable
- User guide
- Resource CD
- Warranty card
- Support card

* **Power Adapter**
Plug is localized to country of sale in North America, Australia, Europe, United Kingdom, Japan

NETGEAR®

Technical Specifications

- **Physical Interfaces:**
  - **WAN port:** 10BASE-T Ethernet RJ-45 port to connect to any broadband modem, such as DSL or cable
  - **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) or 168-bit (3DES) IPsec encryption algorithm, MD5 or SHA-1 authentication 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 assignment, 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 and Install Assistant for basic parameter settings. Remote management support authenticated through IP address or IP address range, and password.

  - **Configuration and upgrades:** Upload and download configuration settings, field upgradeable flash memory and DRAM

- **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

- **Application Support:**
  IPSec pass-through, H.323, Quake, Half-life, Star Craft Unreal Tournament, PPTP, MIRC, ICQ, Instant Messenger, RealPlayer, VDO Live, Quick Time, Dial Pad

- **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:** 50 Mhz ARM 7
  - Memory: 1Mb Flash, 16Mb DRAM
  - Power requirements: 12VDC, 1.2A
  - Dimensions: H: 1.4" (3.5cm) W: 9.95" (25.3cm), D: 7.1" (18.1cm)
  - Weight: 2 lb., 1oz. (.935kg)

- **Environmental Specifications:**
  - Operating temperature: 0 to 40°C Operating humidity: 90% maximum relative humidity, noncondensing

- **Warranty:**
  - 5 years (2 years power supply)