

5 VPN Tunnels for Secure Remote Access



The NETGEAR ProSafe 8-port Gigabit VPN Firewall provides both secure IPsec site-to-site tunnels and IPsec secure access for remote clients. Employing a true firewall with customizable firewall rules, this VPN router is a high-performance, SNMP-manageable, network solution that furnishes multidimensional security including denial-of-service (DoS) protection, stateful packet inspection (SPI), URL keyword filtering, logging, reporting, and real-time alerts. Eight Gigabit LAN ports keep your data moving at top speed. With Network Address Translation (NAT) routing and classical routing, all the users in your small office can access your broadband connection at the same time.

Secure

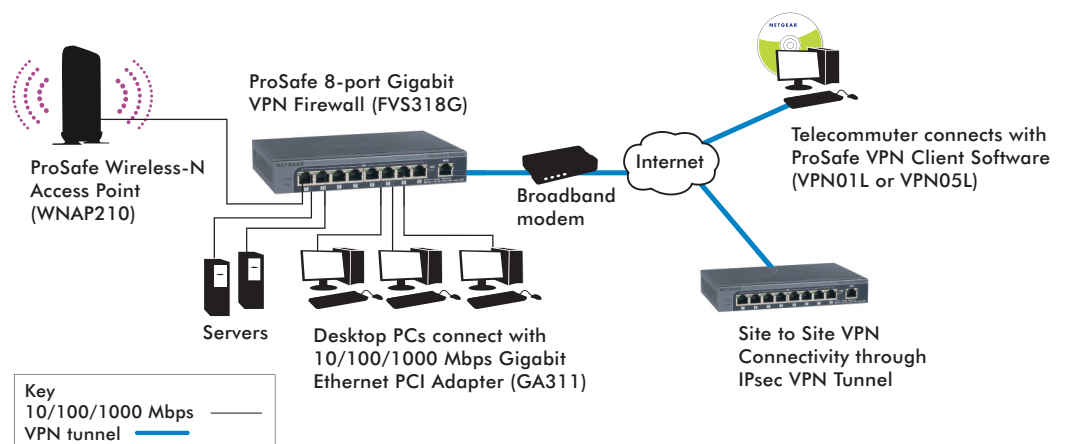
The FVS318G takes care of all your security needs, with support of up to 5 simultaneous IPsec VPN tunnels, hacker protection via SPI firewall, DoS attack protection, configurable hardware DMZ port, and multiple VPN pass-through. It features SYSLOG, email reporting, and integrates with network monitoring tools via SNMP. IKE authentication provides peace of mind against unauthorized VPN network access and supports industry-strength encryption algorithms to ensure protection and privacy of your sensitive data. Dedicated DMZ enables you to separate guest traffic from production data. The ProSafe 8-port Gigabit VPN Firewall provides optimal value and defense against network security threats.

Reliable

At the core of the FVS318G is NETGEAR tested and proven firewall and VPN technology. The rugged metal unit houses advanced, high-quality electronics, and is backed by a lifetime warranty.

Easy to Use

Auto Detect connects to your ISP quickly; the user-friendly Web-based ProSafe Control Center configuration screen and install assistant reduce setup time. The IPsec VPN wizard automates IPsec VPN configuration and secure remote makes it simple to connect to multiple sites. Support for DHCP (client and server) as well as PPPoE allows for easy, widespread deployment. This well-built firewall has an integrated 8-port 10/100/1000 Mbps switch and is compatible with Windows®, UNIX®, Macintosh®, and Linux® OS. Auto Uplink on the all ports eliminates the need for crossover cables.



Technical Specifications

• Physical Interfaces

- LAN ports: Eight (8) 10/100/1000 Mbps auto-sensing, Auto Uplink™ RJ-45 ports; one LAN port can be dedicated hardware DMZ port
- WAN ports: One (1) 10/100/1000 Mbps auto-sensing, Auto Uplink™ RJ-45 ports to connect to any broadband modem, such as DSL or cable

• SPI firewall

- Stateful packet inspection (SPI):
 - prevents denial-of-service (DoS) attacks
 - provides stealth mode
 - User support: Unrestricted
- Keyword filtering on:
 - address
 - service (ex. FTP, SMTP, HTTP, RPL, SNMP, DNS, ICMP, NNTP, POP3, SSH, etc.)
 - protocol
 - Web URL port/service blocking
 - file extension (ex. Java, URL, ActiveX)
- Port/service blocking
- SIP Application Layer Gateway
- SIP compatibility list:
 - Linksys SPA-901
 - Linksys SPA-941
 - SNOM M3
 - Cisco 7940G
 - X-Lite 3.0 (software for phones)
 - D-Link DPH-140S
 - Grandstream GXP-2000
 - Polycom SoundStation 6000
 - Siemens C450
 - Aastra 51i

• IPsec VPN functionality

- Five (5) dedicated IPsec VPN tunnels
- Manual key and Internet Key Exchange Security Association (IKE SA) assignment
 - pre-shared key signature
 - RSA/DSA signature
- Key life and IKE lifetime time settings
- Perfect forward secrecy
- Diffie-Hellman groups 1 and 2
- Oakley support
- Operating modes
 - main
 - aggressive
- 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
- 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 passthrough)
- Two-factor authentication support

• Routing Modes of Operation

- 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

- LAN-to-WAN: 25 Mbps total
- IPsec VPN (3DES): 7 Mbps†

• Connections

- 6,000 concurrent sessions

Management Features

• Administration Interface

- SNMP (v2c) support
- Web graphic user interface
- 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
- Two-factor authentication support for administrator interface

• Logging

- SYSLOG
- Email alerts

• Functions

- VPN Wizard to simplify configuration of IPsec VPNs
- Auto Detect to automatically detect ISP address type (static, dynamic, PPPoE)
- Port range forwarding
- Port triggering
- Enable/disable WAN ping
- DNS proxy
- MAC address cloning/spoofing

- Network Time Protocol NTP support
- Diagnostic tools (ping, DNS lookup, trace route, other)
- Port/service
- Auto-Uplink on switch ports
- L3 Quality of Service (QoS) LAN-to-WAN and WAN-to-LAN (ToS)
- SIP ALG

• 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), IKE, PKI, HTTPS

• Maintenance

- Save/restore configuration, restore defaults, upgrades via Web browser, display statistics

• Hardware Specifications

- Processor Speed: 250 MHz
- Memory: 8 MB flash, 32 MB DRAM
- Power adapter: 12V DC, 1.5A -plug is localized to country of sale
- Dimensions: 190 x 125 x 35 cm (7.5 x 4.9 x 1.4 in)
- Weight: 0.59 kg (1.3 lb)

• Environmental Specifications

- Operating temperature: 0° to 45°C (32° to 113°F)
- Operating humidity: 95% maximum relative humidity, non-condensing

Warranty

- Firewall: NETGEAR Lifetime Warranty
- Power supply: 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 or Firefox 2.0 or higher

Package Contents

- ProSafe Gigabit Firewall (FVS318G)
- Ethernet cable
- Installation guide
- Warranty/support information card
- Resource CD with single user ProSafe VPN Client Software license

NETGEAR Related Products**• Accessories**

- VPN01L and VPN05L ProSafe VPN Client Software
- NMS100 ProSafe Network Management Software

Ordering Information

- North America: FVS318G-100NAS
- Europe: FVS318G-100EUS
- Asia: FVS318G-100AUS

ProSupport Service Packs Available**• OnCall 24x7, Category 1**

- PMB0331-100 (US)
- PMB0331 (non-US)

• XPressHW, Category 1

- PRR0331

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This product comes with a limited warranty, the acceptance of which is a condition of sale.

*Basic technical support provided for 90 days from date of purchase.

†IPsec performance is measured based on UDP traffic with 128 bit AES encryption and 1400 byte packets. Actual performance may vary depending on network traffic and environment.