



# FVM318

## ProSafe™ Wireless VPN Security Firewall with 8-port 10/100 Mbps switch

### IPSec Wireless VPN Encryption for the Ultimate in Wireless Security

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

Nothing outperforms NETGEAR's FVM318 ProSafe Wireless VPN Security Firewall for economical total office network safeguarding. It delivers business-class protection and addresses the main concern regarding wireless LANs – security. A true, Virtual Private Network (VPN) firewall with an 802.11b (Wi-Fi) wireless access point, it's fully equipped and broadband-capable. Denial of Service (DoS) protection and Intrusion Detection using Stateful Packet Inspection (SPI), URL access and content filtering, logging, reporting, and real-time alerts, as well as new 802.11b/g Advanced Encryption Standard (AES) capability, cover all the bases. This unique firewall supports up to 70 IPSec VPN tunnels simultaneously on the wide area network (WAN) and up to 32 VPN tunnels on the wireless local area network (WLAN) for a total of 102 tunnels, creating a security-maximizing barrier against wireless hackers while reducing your remote access operating costs. With 8 auto-sensing, Auto Uplink™ switched LAN ports and Network Address Translation (NAT) routing, up to 253 users can access your broadband connection simultaneously. The rugged metal unit houses advanced, high-quality chip sets, and a 3-year warranty protects your investment.

### Business-Class Secure

Supports up to 70 IPSec VPN WAN tunnels simultaneously for secured connections to branch offices and your mobile workforce. And, 32 WLAN VPN tunnels to secure your wireless network. Includes Web page URL keyword 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. A built-in encryption co-processor provides fast VPN tunneling speeds. WLAN VPN client PC software is included.

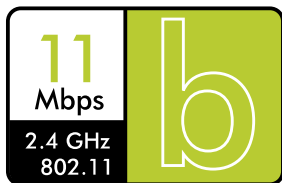
### Locked & Loaded

Takes care of all your security needs with True Firewall using Stateful Packet Inspection (SPI) and Intrusion Detection features, DoS attack protection, and VPN pass-through for extra security. SYSLOG and reporting enable thorough network monitoring. IKE authentication provides peace of mind against unauthorized VPN network access, and new AES (256-bit) encryption security provides one of the most impenetrable encryption methods available for 802.11b/g networks. Makes a VPN connection to other VPN devices or connects through client software\*. Support for DHCP (client and server) as well as PPPoE allows for easy, widespread deployment. Wi-Fi (802.11b) enabled, a 5 dBi detachable antenna provides a powerful wireless signal with customization options.

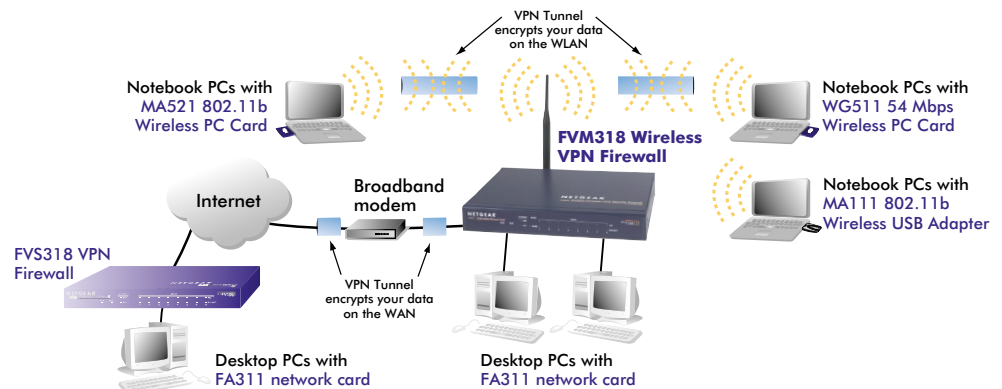
### Simplicity Itself

Smart Wizard connects to your ISP quickly and set up is easy with Smart Wizard install assistant, an interactive step-by-step tutorial. Remote administration capability makes it easy to connect to multiple sites. It has an integrated 8-port 10/100 Mbps switch and is compatible with Windows®, UNIX®, Macintosh®, and Linux® O/S. Comes with an Ethernet cable; Auto Uplink on the LAN ports eliminates the need for crossover cables.

### Typical Network Setup



**NETGEAR**  
Everybody's connecting.™



## Technical Specifications

### Package Contents

- FVM318 ProSafe Firewall
- Power adapter
- 10 ft. (3.05 m) Ethernet cable
- Installation guide
- Resource CD
- Warranty/Support information card

### 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 5.0 or higher OR Netscape Navigator® 4.7 or higher

### NETGEAR Related Products

- MA521 802.11b Wireless PC Card
- MA111 802.11b Wireless USB Adapter
- MA701 802.11b Wireless Compact Flash Card
- WG511 54 Mbps Wireless PC Card
- WG311 54 Mbps Wireless PCI Adapter
- WAG511 Dual Band 802.11a/b/g Wireless PC Card
- WAG311 Dual Band 802.11a/b/g Wireless PCI Adapter
- FA311 Fast Ethernet PCI Adapter
- FA511 Fast Ethernet Adapter for notebooks

# NETGEAR®

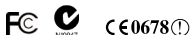
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\*WAN VPN client software not included  
\*\* Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.



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FVM318

### Physical Interfaces:

- **LAN ports:** Eight (8) 10/100 Mbps auto-sensing, Auto Uplink RJ-45 ports (one Cat 5 UTP cable included)
- **WLAN port:** One (1) 802.11b wireless (11 Mbps)
- **WAN port:** 10BASE-T Ethernet RJ-45 port to connect to any Broadband modem, such as DSL or cable

### Security Features:

- **Firewall:** Stateful Packet Inspection (SPI) to prevent Denial of Service (DoS) attacks, Intrusion Detection System (IDS) including logging, reporting and e-mail alerts, address, service and protocol, Web URL keyword filtering. Advanced features include blocking of Java™/URL/ActiveX® extensions.
- **VPN Functionality:** One Hundred Two (70) dedicated WAN-based IPSec VPN tunnels, 32 wireless LAN-based IPSec-based VPN tunnels, Manual key and IKE Security Association (SA) assignment with pre-shared key, key life, and IKE lifetime time settings, perfect forward secrecy (Diffie-Hellman groups 1 and 2 and Oakley support), operating modes (Main, Aggressive).
- **IPSec Support:** IPSec-based 56-bit (DES) or 168-bit (3DES) encryption algorithm, MD5 or SHA-1 hashing algorithm, 802.11b/g Advanced Encryption Standard (AES) support, IPSec ESP support, remote access VPN (client-to-site), site-to-site VPN, IPSec NAT traversal (VPN pass-through), tunnel operating mode
- **Mode of Operation:** Network Address Translation (NAT), static routes, unrestricted users
- **IP Address Assignment:** Static IP address assignment, internal DHCP server on LAN, DHCP client on WAN, PPPoE client support

### Performance Features:

- **Throughput:** WAN-to-LAN: 7.5 Mbps, 3DES (168 bit) WAN VPN tunnel: 4.9 Mbps, 3DES WLAN VPN tunnel: 4.2 Mbps

### Management Features:

- **Administration Interface:** Web graphic user interface, user name and password protected; Smart Wizard and Auto Detect for basic parameter settings; remote management support authenticated through IP address or IP address range, and password; config changes/upgrades through web GUI
- **Configuration and Upgrades:** Upload and download configuration settings, firmware upgradable flash memory
- **Logging:** SYSLOG, e-mail alerts

### Protocol Support:

- **Network:** IP routing, TCP/IP, UDP, ICMP, PPPoE, Wi-Fi (802.11b)
- **IP addressing:** DHCP (client and server)
- **Routing:** RIP v1, RIPv2, static routes
- **VPN/Security:** IPSec (ESP), MD5, SHA-1, DES, 3DES, IKE, AES

### User Support:

LAN: Up to 253 users, 32 WLAN

### 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)
- Domain of Interpretation (RFC 2407)
- Internet Security Association and Key Management Protocol (ISAKMP) (RFC 2408)
- Oakley (RFC 2412)
- DHCP server (RFC 2131)
- DHCP client (RFC 2131)
- 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:

Smart Wizard to automatically detect ISP Address type (static, dynamic, PPPoE), Port Range Forwarding, Exposed Host (DMZ), Enable/Disable WAN Ping, DNS Proxy, MAC Address cloning/spoofing, NTP support, URL Content Filtering, E-mail Alerts, DHCP Server (Info and display table), PPPoE login client support, Telstra BigPond Cable login support, WAN DHCP Client, Diagnostic tools (ping, trace route, other), Port/service blocking, Auto Uplink on switch ports

### Maintenance:

Save/Restore Configuration, Restore Defaults, Upgrades via Web Browser, Display Statistics, Logging, SYSLOG

### Hardware Specifications:

- **Processor:** 50 MHz, ARM 7
- **Co-processor:** 66 MHz, Safenet 1741
- **Memory:** 2 MB Flash, 16 MB DRAM
- **Power requirements:** 12 VDC, 1.2A; plug is localized to country of sale
- **Dimensions:** H: 1.4" (3.5 cm); W: 9.95" (25.3 cm); D: 7.1" (18.1 cm)
- **Weight:** 2.95 lb. (1.34 kg)

### Environmental Specifications:

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

### Warranty:

- NETGEAR 3-year warranty