ProSafe® VPN Firewall
with 8-port 10/100 Switch
FVS338

Data Sheet

25-user Office VPN Router

50 VPN Tunnels for Encrypted Remote Access

NETGEAR's ProSafe® VPN Firewall with dial back-up is an SNMP-m anageable, high-performance network solution that furnishes multidimensional security. Fully equipped and broadband-capable, this virtual private network (VPN) firewall comes with connection insurance: a built-in serial port for dial-up access. This practical feature means your business can maintain operation if your broadband Internet connection fails. It lets you retain an analog modem for emergency backup and also provides a migration path from analog to broadband, making the transition effortless.

High on security, this true firewall provides denial-of-service (DoS) protection using stateful packet inspection (SPI), URL keyword filtering, logging, reporting, and real-time alerts. It supports up to 50 IPsec VPN tunnels simultaneously using public key infrastructure (PKI), reducing your operating costs and improving the security of your network. With 8 auto-sensing, Auto Uplink™ switched LAN ports and Network Address Translation (NAT) routing, allows the network a great foundation for growth.

Thoroughly Protected

The FV338 takes care of all your security needs, with support up to 50 IPsec VPN tunnels simultaneously, SPI firewall, denial-of-service (DoS) attack protection and multiple VPN pass-through for extra security. SYSLOG and email reporting enable thorough network monitoring. IKE authentication provides peace of mind against unauthorized VPN network access. The ProSafe VPN Firewall provides optimal value and defense against network security threats.

Easy to Use

Auto Detect connects to your ISP quickly; the user-friendly Web-based configuration screen and install assistant reduce setup time. The VPN Wizard automates VPN configuration and secure remote administration via Secure Sockets Layer (SSL) making 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 Mbps switch and is compatible with Windows®, UNIX®, Macintosh®, and Linux® O/S. It comes with an Ethernet cable, and Auto Uplink on the LAN ports eliminates the need for crossover cables. Support for DHCP (client and server) as well as PPPoE allows for easy, widespread deployment.

Flexible and Durable

Make a VPN connection to other VPN devices or connect through NETGEAR's ProSafe VPN Client software, sold separately in single and five-user licenses. VPN05L – supports popular Microsoft® Windows platforms and is easy to configure, cost-effective and provides broad security support. The rugged metal unit houses advanced, high quality electronics, and NETGEAR's tested and proven technology is backed by a NETGEAR Lifetime Warranty.
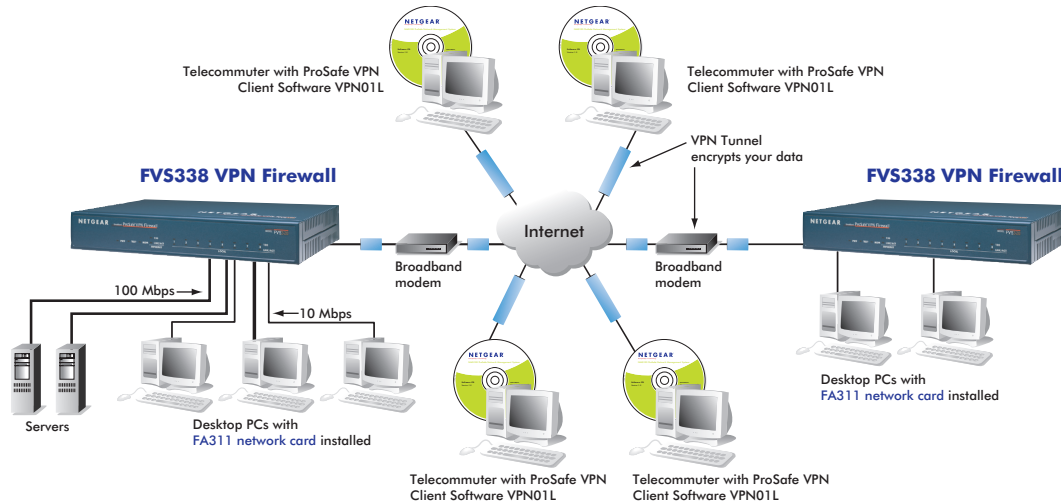
Technical Specifications

• 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, MAC, Linux

• Physical Interfaces

– LAN ports: Eight (8) 10/100 Mbps autosensing, Auto Uplink™ RJ -45 ports

– WAN ports:
10/100 Mbps Ethernet RJ-45 port to connect to any broadband modem, such as DSL or cable

– RS-232 serial port with DB-9 connector for an external analog modem

• Security Features

– SPI Firewall: Stateful packet inspection (SPI) to prevent notorious denial-of-service (DoS) attacks, including logging, reporting and email 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

– 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

– VPN Functionality: Fifty (50) 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), 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:
  - LAN-to-WAN: up to 75 Mbps
  - 3DES IPsec tunnel: Up to 19 Mbps

• Management Features

– Administration interface: SNMP (v1, v2c) 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 download configuration settings, firmware upgradeable flash memory

– Logging: SYSLOG, email alerts

– Two-factor authentication support for administrator interface

• Functions

– VPN Wizard to simplify configuration of the VPN, auto detect 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), SIP ALG.

• Protocol Support

– Network: IP routing, TCP/IP, UDP, ICMP, PPPoE

– IP addressing: DHCP (client and server)

– Routing: RIP v1, RIP v2 (static routing, dynamic routing)

– VPN/security: IPsec (ESP, AH), MD5, SHA-1, DES, 3DES, IKE, PKI, AES

• Maintenance

– Save/restore configuration, restore defaults, upgrades via Web browser, display statistics, logging, SYSLOG support.

• Hardware Specifications
– Processor speed: 266 MHz
– Memory: 16 MB flash, 32 MB DRAM-
power adapter: 12V DC, 1.5A -plug is
localized to country of sale
– Dimensions: 25.4 x 17.8 x 3.96 cm
(10 x 7 x 1.56 in)
– Weight: 1.7 kg (3.7 lb)

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

Warranty
– Switch: NETGEAR Lifetime Warranty†
– Power supply: 3-year Warranty

Package Contents
– ProSafe VPN Firewall (FVS338)
– Ethernet cable
– Installation guide
– Resource CD with single user ProSafe
VPN Client
– Software license
– Warranty/support information card

NETGEAR Related Products
• Accessories
– VPN01L and VPN05L ProSafe
VPN Client Software
– NMS100 ProSafe Network
Management Software

• Wireless
– WG102 ProSafe 802.11g Access Point
– WAG102 ProSafe Dual Band
Access Point
– WG302 ProSafe 802.11g Access Point

Ordering Information
– North America: FVS338NA
– Europe - General: FVS338GE
– Europe - UK: FVS338UK
– Asia: FVS338AU

ProSupport Service Packs Available
• OnCall 24x7, Category 1
– PMB0331-100 (US)
– PMB0331 (non-US)

• XPressHW, Category 1
– PRR0331