NETGEAR ProSafe VPN Firewall Routers

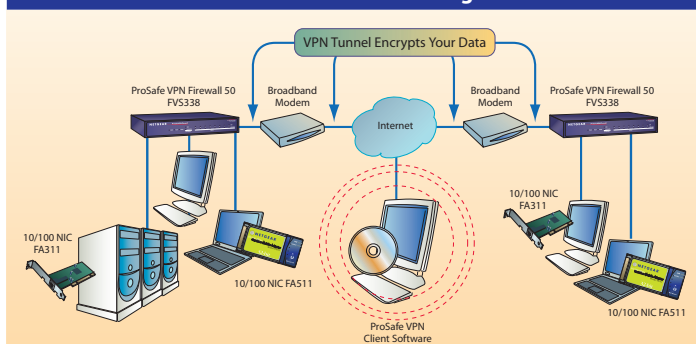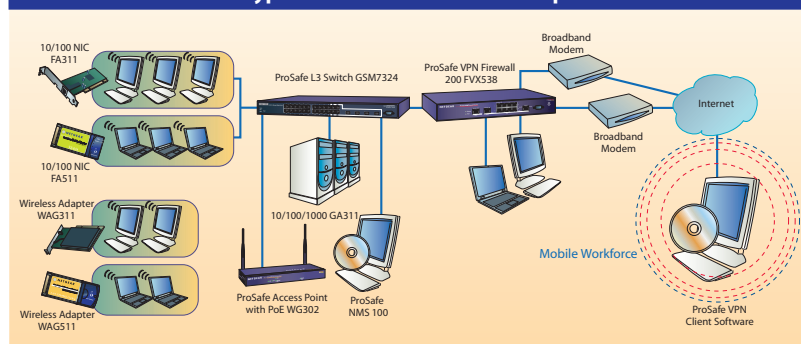**NETGEAR®** PROSAFE™

NETGEAR's ProSafe VPN Firewall router products deliver a complete network security solution by offering significant security, total-cost-of-ownership, and performance advantages over competing solutions. The NETGEAR ProSafe line provides a choice of standards-based wired and wireless VPN/Firewall routers, equipped with 2 to 200 VPN tunnel support capability, as well as all-in-one devices composed of an access point, router, switch, and print server. Combined with anti-virus/anti-spam and NETGEAR's ProSafe VPN client software, NETGEAR ProSafe Firewalls deliver a comprehensive solution for secure data transmission. Our products are easy to configure and provide reliable, secure Internet connectivity. Standard features include a Stateful Packet Inspection (SPI), firewall, IPSec VPN Endpoint support, AES and 3DES Encryption, Denial of Service (DoS) protection, Network Address Translation (NAT), and DHCP. NETGEAR's IPSec VPN solutions offer resilient, secure connectivity for full network access between headquarter locations, remote/branch offices and telecommuters. NETGEAR's security products are VPNC tested and certified to ensure interoperability with many other popular VPN security products as well as ICSA Firewall Certification on most products.

Model Number	FVX538	FVL328	FVS338	FVS124G	FVS318v3	FVS114
Product Name	ProSafe VPN Firewall 200 with 8 Port 10/100 Mbps Switch, Dual WAN and 1Gigabit LAN	ProSafe VPN Firewall 100 with 8 Port 10/100 Mbps Switch	ProSafe VPN Firewall 50 with 8 Port 10/100 Mbps Switch and Dial Back-up	ProSafe VPN Firewall 25 with 4 Gigabit LAN and Dual WAN Ports	ProSafe VPN Firewall 8 with 8 Port 10/100 Mbps Switch	ProSafe VPN Firewall 8 with 4 Port 10/100 Mbps Switch
Customer Needs	Small and medium-sized businesses with several remote offices and mobile workforce who prefer one device to perform several critical functions with 8 Ethernet ports; desire optional high-speed internet access and Dual WAN capacity for auto-failover or load balancing; require high level of security policy including auto fail-over; favor an SMNP manageable device; and have a preference for secure remote access up to 250 site-to-site and client-to-site connections.	Small and medium-sized businesses with several remote offices and mobile workforce who prefer one device to perform several critical functions with 8 Ethernet; require high level of security policy including auto fail-over; and have a preference for secure remote access up to 100 site-to-site and client-to-site connections.	Small and medium-sized businesses with several remote offices and mobile workforce who prefer one device to perform several critical functions with 8 Ethernet ports and dial back-up; require high level of security policy including auto fail-over; favor an SMNP manageable device; and have a preference for secure remote access up to 50 site-to-site and client-to-site connections.	Small and medium-sized businesses with several remote offices and mobile workforce who prefer one device to perform several critical functions with 4 Gigabit Ethernet ports; desire high-speed internet access and Dual WAN capacity for auto-failover or load balancing; require high level of security policy; favor an SMNP manageable device; and have a preference for secure remote access up to 25 site-to-site and client-to-site connections.	Small business & home offices who require high level of security policy, prefer one device to perform several critical functions, require 8 Ethernet ports for network devices, and secure remote access to corporate resources outside the office for combination of up to 8 site-to-site and client-to-site connections.	Small business & home offices who require high level of security policy, prefer one device to perform several critical functions, require 4 Ethernet ports for network devices, and secure remote access to corporate resources outside the office for combination of up to 8 site-to-site and client-to-site connections.
Key Features	• Secure Remote Access - Support for up to 200 simultaneous IPSec VPN tunnels • Dual WAN 10/100 Mbps ports for load balancing and auto failover protection • One LAN 10/100/1000 Mbps port • 8 Port 10/100 LAN Switch • One console port for local management • Advanced SPI Firewall • NAT Router for Internet Access Sharing • SIP 2.0 to support VoIP • 1 U Rack mountable • Proactive policy enforcement for anti-virus and anti-spam security. • Quality of Service (QOS) – ability to support voice & multimedia • Bundled with NETGEAR's VPN Client Software VPN05L (5-user license) and 60 day trial version of Trend Micro's SMB anti-virus/anti-spam software suite • SNMP Manageable - Optimized for ProSafe Network Management Software NMS100	• Secure Remote Access - Support for up to 100 simultaneous VPN tunnels • SPI Firewall • 8 Port 10/100 LAN Switch • NAT Router for Internet Access Sharing • 1 10/100 WAN port • ICSA-certified firewall	• Secure Remote Access - Support for up to 50 simultaneous VPN tunnels • Advanced SPI Firewall • 8 Port 10/100 Mbps Switch • NAT Router for Internet Access Sharing • RS232 Serial Port with DB-9 connector • Analog Modem support for auto failover capability • Bundled with NETGEAR's VPN Client Software VPN01L (1 user license $45 value) and 60 day trial version of Trend Micro's SMB anti-virus/anti-spam suite • SNMP-Manageable - Optimized for ProSafe Network Management Software NMS100 • Future upgradability to IDS, Anti-virus, and anti-spam security measures	• Secure remote access - Support for up to 25 simultaneous VPN tunnels • SPI/VPN Firewall • NAT Router for Internet Access Sharing • 4 Port Gigabit LAN VPN/Firewall Security device • Dual 10/100 WAN ports for load balancing or failover protection • VPNC certified • 60+ Mbps 3DES VPN throughput • Bundled with ProSafe VPN01L client (single user) • SNMP Manageable - Optimized for ProSafe Network Management Software NMS100 • ICSA-certifiable Firewall • Future firmware upgrades will support anti-virus, anti-spam policy enforcement	• Secure Remote Access - Support for up to 8 simultaneous VPN tunnels • Advanced SPI Firewall • 8 Port 10/100 LAN Switch • NAT Router for Internet Access Sharing • 1 10/100 WAN port • 200Mhz processor w/built-in hardware encryption engine • Supports PKI digital certificates • VPNC Certified	• Secure remote access - Support for up to 8 simultaneous VPN tunnels • 20+ Mbps 3DES VPN throughput • VPNC certifiable • SPI/VPN Firewall • NAT Router for Internet Access Sharing • 4-port 10/100 LAN Switch • 1 10/100 WAN port • 200Mhz CPU with hardware-based encryption accelerator

VPN End-Point Tunneling

VPN Tunnel Encrypts Your Data

ProSafe VPN Firewall 50 FVS338 — Broadband Modem — Internet — Broadband Modem — ProSafe VPN Firewall 50 FVS338

10/100 NIC FA311

10/100 NIC FA511

10/100 NIC FA311

ProSafe VPN Client Software

10/100 NIC FA511

Typical Business Network Set Up

10/100 NIC FA311

10/100 NIC FA511

Wireless Adapter WAG311

Wireless Adapter WAG511

ProSafe L3 Switch GSM7324

10/100/1000 GA311

ProSafe Access Point with PoE WG302

ProSafe NMS 100

ProSafe VPN Firewall 200 FVS538

Broadband Modem

Broadband Modem

Internet

Mobile Workforce

ProSafe VPN Client Software

Technical Specifications

Hardware	FVX538	FVL328	FVS338	FVS124G	FVS318v3	FVS114
Router	Broadband router	Broadband router	Broadband router	Broadband router	Broadband router	Broadband router
Firewall	SPI Firewall	SPI Firewall	SPI Firewall	SPI Firewall	SPI Firewall	SPI Firewall
Switch	8-port 10/100 Mbps plus 1 Gigabit	8-port 10/100 Mbps	8-port 10/100 Mbps	4-port 10/100/1000 Mbps	8-port 10/100 Mbps	4-port 10/100 Mbps
Auto Sensing and Uplink on all ports	✓	✓	✓	✓	✓	✓
Interfaces	(8) 10/100 Mbps LAN (1) 10/100/1000 Mbps LAN (2) 10/100 Mbps WAN (1) Serial Port	(8) 10/100 LAN, (1) 10/100 WAN	(8) 10/100 Mbps LAN (1) 10/100 Mbps WAN (1) Serial Port	(4) 10/100/1000 Mbps LAN (2) 10/100 Mbps WAN	(8) 10/100 LAN (1) 10/100 WAN	(4) 10/100 Mbps LAN (1) 10/100 Mbps WAN
DMZ Hardware Port	✓					
Memory (Flash/DRAM)	16/32M	2/16M	16/32M	4/16	2/16M	2/16M
Processor speed	533Mhz	150Mhz	266Mhz	200Mhz	200Mhz	200Mhz
Rack Mount	✓					
Performance						
3DES throughput	76+ Mbps	15.7 Mbps	50 Mbps	8 Mbps	2.1 Mbps	7.0Mbps
Concurrent Sessions	10,000	2000	10,000	10,000	10,000	2800
Firewall Throughput	92 Mbps	52 Mbps	92 Mbps	30 Mbps	11.5 Mbps	38Mbps
Mode of Operation						
Classical Routing Mode	✓	✓	✓	✓	no	
Failover	✓		✓	✓		
Load Balancing	✓			✓		
NAT/PAT (Network/Port Address Translation)	✓	✓	✓	✓	✓	✓
QoS	✓		✓	✓		
Static Routes		20	20		20	
User support	Unrestricted	Unrestricted	Unrestricted	Unrestricted	Unrestricted	Unrestricted
Networking Support						
DHCP client	✓	✓	✓	✓	✓	✓
DHCP server	✓	✓	✓	✓	✓	✓
PPPoE client	✓	✓	✓	✓	✓	✓
Smart Wizard and VPN Wizard Installation	✓	✓	✓	✓	✓	✓
Static IP assignment	✓	✓	✓	✓	✓	✓
VPN						
Dedicated VPN tunnels	200	100	50	25	8	8
IKE authentication	Preshared key, certificates	Preshared key, certificates	Preshared key, certificates	Preshared key, certificates	Preshared key, certificates	Preshared key, certificates
IPSec encryption type	256-bit AES, 168-bit 3DES IPSec	168-bit 3DES IPSec	256-bit AES, 168-bit 3DES IPSec	256-bit AES, 168-bit 3DES IPSec	256-bit AES, 168-bit 3DES IPSec	256-bit AES, 168-bit 3DES IPSec
IPSec message integrity	HMAC-MD5, SHA-1	HMAC-MD5, SHA-1	HMAC-MD5, SHA-1	HMAC-MD5, SHA-1	HMAC-MD5, SHA-1	HMAC-MD5, SHA-1
IPSec modes	tunnel, transport	tunnel, transport	tunnel, transport	tunnel, transport	tunnel, transport	tunnel, transport
IPSec NAT traversal						
Key Management	Manual key, IKE, PKI (x.509)	Manual key, IKE, PKI (x.509)	Manual key, IKE, PKI (x.509)	Manual key, IKE, PKI (x.509)	Manual key, IKE, PKI (x.509)	Manual key, IKE, PKI (x.509)
Operating modes	main, aggressive, quick	main, aggressive, quick	main, aggressive, quick	main, aggressive, quick	main, aggressive, quick	main, aggressive, quick
Perfect forward secrecy	DH groups 1,2	DH groups 1,2	DH groups 1,2	DH groups 1,2	DH groups 1,2	DH groups 1,2
Prevent replay attack	✓	✓	✓	✓	✓	✓
Remote Access VPN	✓	✓	✓	✓	✓	✓
Secure tunneling protocols	IPSec ESP, AH	IPSec ESP, AH	IPSec ESP, AH	IPSec ESP, AH	IPSec ESP, AH	IPSec ESP, AH
Site-to-site VPN	Mesh, Hub-and-spoke	Mesh, Hub-and-spoke	Mesh, Hub-and-spoke	Mesh, Hub-and-spoke	Mesh, Hub-and-spoke	Mesh, Hub-and-spoke
xAuth/RADIUS	✓	No	✓	No	No	No
Security						
Logging & Monitoring	✓	✓	✓	✓	✓	✓
Policies	✓	✓	✓	✓	✓	✓
Schedules	✓	✓	✓	✓	✓	✓
URL Content Filtering	✓	✓	✓	✓	✓	✓
Web Security - ActiveX Filter, JAVA Filter, Cookie Blocker	✓	✓	✓	✓		
System Management						
E-mail notifications	Built-in alerts, logs	Built-in alerts, logs	Built-in alerts, logs	Built-in alerts, logs	Built-in alerts, logs	Built-in alerts, logs
NTP support	✓	✓	✓	✓	✓	✓
Remote logging	SYSLOG	SYSLOG	SYSLOG	SYSLOG	SYSLOG	SYSLOG
SNMP	v1, v2c	no	v1, v2c	v1, v2c	no	no
Telnet	✓	no	✓	Q3 2005	no	no
Web GUI	✓	✓	✓	✓	✓	✓
Other						
ProSafe VPN Client Software (VPN1L/05L)	Bundled with VPN05L Five User License	✓	Bundled with VPN01L Single User License	Bundled with VPN01L Single User License	✓	✓
ProSafe NMS100 Software compatible	✓		✓	✓		
Trend Micro software	Bundled with 60 day trial software		Bundled with 60 day trial software			
ICSA Certified	In Process	Yes	In Process	In Process	No	No
VPNC Certified	Basic Interop, AES Interop	Basic Interop	In Process	In Process	Basic Interop, AES Interop	Basic Interop
Compatible via VPNC:	• All NETGEAR VPN boxes & ProSafe VPN client software • Safenet & Microsoft W2K/XP clients • Cisco IOS, Netscreen, Checkpoint					
Operating system compatible	Windows, UNIX, Macintosh, and Linux					

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