

Technical Specifications

Physical Interfaces

- LAN ports: Four (4) 10/100/1000 —Mbps auto-sensing, Auto Uplink™ RJ-45 ports
- WAN ports: Two (2) 10/100/1000 —Mbps auto-sensing, Auto Uplink™ RJ-45 ports to connect to any broadband modem, such as DSL or cable
- Load balancing or fail-over modes

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

IPsec VPN functionality

- Twenty-five (25) 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 pass-through)

SSL VPN Functionality

- Ten (10) dedicated SSL VPN tunnels
- SSL version support: SSLv3 and TLS 1.0
- SSL encryption support: DES, 3DES, ARC4, AES (ECB, CBC, XCBC, CNTR) 128/256 bit
- SSL message integrity: MD5, SHA-1, MAC-MDS/SHA-1, HMAC-MD5/SHA-1
- Certificate support:
 - RSA
 - Diffie-Hellman
 - Self

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: 60 Mbps total
- IPsec VPN (3DES): 16 Mbps
- SSL VPN: 10 Mbps

Connections

- 10,000 concurrent sessions

Management Features

Administrative Interface

- SNMP (v2c) support
- 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

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)

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

User support

- LAN: Up to 253 users

Maintenance

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

Hardware Specifications

- Processor Speed: 300 MHz
- Memory: 16 MB flash, 64 MB DRAM

- Power adapter: 12V DC, 1.2A -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

- Firewall: NETGEAR Lifetime Warranty†
- Power supply: NETGEAR 3-year Warranty

Package Contents

- ProSafe Dual WAN Gigabit Firewall (FVS336G)
- Ethernet cable
- Installation guide
- Warranty/support information card
- Resource CD with single user ProSafe VPN Client Software license