

Wireless

- Standards: IEEE 802.11g, 54 Mbps, Super G technology up to 108 Mbps
- Antenna: (1) 5dBi, detachable

Physical Interfaces

- LAN ports: Eight (8) 10/100Mbps auto-sensing, Auto Uplink™ RJ-45 ports
- WAN port: 10/100 Mbps Ethernet RJ-45 port to connect to any broadband modem, such as DSL or cable

Security Features

- SPI Firewall: Stateful Packet Inspection (SPI) to prevent notorious Denial of Service (DoS) attacks, Intrusion Detection System (IDS) including logging, reporting and e-mail 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
- VPN Functionality: Eight (8) 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, Quick), 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: Up to 12.5 Mbps WAN-to-LAN, up to 1.2 Mbps for 3DES

Management Features

- Administration Interface: SNMP (v2c) support, Web graphic user interface, Secure Sockets Layer (SSL)-enabled 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, field upgradeable flash memory

Functions

- VPN Wizard to simplify configuration of the VPN, Smart Wizard to automatically detect ISP Address type (static, dynamic, PPPoE), Port Range Forwarding, Port Triggering, Exposed Host (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/MAC address blocking, Auto-Uplink on switch ports

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, AH), MD5, SHA-1, DES, 3DES, IKE, PKI, AES

User Support

- LAN: Up to 253 users
- WLAN: Up to 64 users

Maintenance

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

Hardware Specs

- Processor: Atheros 2316 SOC 32bit MIPS
- Memory: 4MB flash, 16MB SDRAM
- Power requirements: 100-240VAC, 50-60Hz
- Power adapter: 12VDC, 1.0A; plug is localized to country of sale
- Dimensions: 252 mm x 180 mm x 40 mm (9.92 x 7.1 x 1.57 inches)
- Weight: 2.7 lbs (1.22 kg)

Environmental Specifications

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

Warranty

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