



# FWG114P

## ProSafe™ 802.11g Wireless VPN Firewall 4-port 10/100 Switch with USB Server

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

### Combination Router, Switch, Print Server, Wireless Access Point, and Firewall Connects to the Internet with Cable, DSL, ISDN or Analog Modem

One powerful device, NETGEAR's ProSafe 802.11g Wireless Firewall with USB Print Server consolidates multiple connection features and gives users the ability to share secure wired and wireless network connections. Designed to connect multiple PCs without running additional wires, it allows up to 253 users on the LAN – including up to 64 wireless users – to share one broadband Internet connection. Higher wireless speeds allow for distribution of large files and enables high performance videoconferencing. The built-in print server enables multiple users to use a single printer. Full-scale business-class security that includes Wi-Fi Protected Access, up to two simultaneous VPN tunnels and Stateful Packet Inspection Firewall ensures that the network, network users, and data communications are thoroughly protected. Fully compliant with IEEE 802.11g and backward compatible to any existing IEEE 802.11b network equipment. Web browser-based settings and on-screen help make setup a breeze. Fail safe features provide back-up connection to the Internet. Wall-mountable to save space.

**Ultra Equipped** Built in to this firewall router is a 4-port 10/100 switch, an IEEE 802.11g wireless 2.4 GHz 54 Mbps access point, and an easy connection USB print server port that supports multiple print jobs simultaneously. An RS-232 serial port provides for either an ISDN/analog modem fail-over backup or dial-up connections, and a 100 Mbps WAN port allows for future high-speed broadband services. Seventeen LEDs display status at a glance. Supports single remote access server (RAS) client via the serial port.

**Safeguarded** Wi-Fi Protected Access (WPA) shields wireless communications with the highest available level of industry-standard encryption, blocking unwanted users from accessing the network without the proper permission and password. True firewall using Stateful Packet Inspection (SPI), Network Address Translation (NAT) and Intrusion Control capabilities provides defense against Denial of Service (DoS) hacker attacks, while 40/64 and 128-bit WEP encryption protects the network from wireless eavesdroppers. Virtual Private Network (VPN) enables secure access to your office or corporate network. Web page URL content filtering provides administrative control over access to inappropriate web sites. Provides logging and reporting alerts of Internet activity.

**Helpful** Smart Wizard automatically detects the ISP connection type, and automatically adjusts your configuration. Extensive functions include MAC Address cloning/spoofing, Import/Export router settings, Exposed Host (DMZ) support for unrestricted communication between the Internet and a specified device, advanced settings for additional control by experienced users, and secure remote management capability.



## NETGEAR Related Products

- WAG511 802.11a/b/g Dual Band PC Adapter
- WAG311 802.11a/b/g Dual Band PCI Adapter
- WG511 54 Mbps PC Card
- WG311 54 Mbps PCI Card
- WG121 54 Mbps USB 2.0 Adapter
- ANT2405 5 dBi omni-directional antenna: indoor/outdoor
- ANT24D18 Indoor/Outdoor 18 dBi patch panel directional antenna
- ANT2409 Indoor/Outdoor 9 dBi omni-directional antenna
- Antenna cables in various lengths

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\* 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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## Product Specifications

- **Physical Interfaces:**
  - **LAN:** Four (4) 10/100 Mbps, Auto Uplink™ RJ-45 ports
  - **WAN:** One (1) 10/100 Mbps Auto Uplink RJ-45 port RS-232 serial port with DB-9 connector for external analog or ISDN modem
  - **Printer Connection:** USB 1.1, upgradable to USB 2.0 with up to 1.5 Mbps transfer rate
- **Wireless:**
  - **Standards:** IEEE 802.11g, 54 Mbps
  - **Antenna:** 5 dBi, detachable
  - **Typical maximum output power in Channel 6:** North America and most other countries: 19 dBm, EIRP 24 dBm Europe: 14.6 dBm, EIRP 19.6 dBm (EIRP includes antenna gain)
  - **Typical maximum receive sensitivity:** -85.4 dBm, EIRP -90.4 dBm
- **Physical Specifications:**
  - **Dimensions, not including antenna (l x w x h):** 32 x 188 x 124 mm (1.25 x 7.4 x 4.9 in.)
  - **Weight:** 0.64 kg (1.4 lb)
  - **Power Adapter:** 12 VDC, 1.2A; plug is localized to country of sale
  - **Processor:** 166 MHz, Brecis MSP2007
  - **Memory:** 2 MB Flash, 8 MB DRAM
- **Performance Specifications**
  - **WAN-to-LAN throughput:** 55.9 Mbps
  - **Average Wireless throughput:** 20 Mbps
  - **Users Supported:** Up to 253 on LAN, 64 on WLAN
- **Environmental Specifications:**
  - **Operating temperature:** 0 to 40° C (32 to 104° F)
  - **Operating humidity:** 90% maximum relative humidity, noncondensing

## Regulatory and Agency Approvals

- **Electromagnetic Compliance:**
  - FCC Part 15, Class B
- **Wi-Fi Certification**

## Warranty

- NETGEAR 3-year warranty

## Software Specifications

- **Protocol Support:**
  - **Network:** TCP/IP, DHCP server, PPPoE, NAT, ICMP, UDP
  - **Routing:** Static Routes, Dynamic Routing (RIP v1 and RIP v2), NAT (one-to-many)
  - **Print Server:** TCP/IP
- **Security:**
  - **Firewall:** Stateful Packet Inspection (SPI), NAT, DoS Attack prevention, Intrusion Detection including logging, reporting and alerts
  - **Logging:** Dropped Packet, Security Event, E-mail, Syslog
  - **Filtering:** Port, IP Packet, JAVA™/ URL/ActiveX® Blocking, URL Keyword,
  - **VPN pass-through:** IPSec, L2TP, and PPTP VPN pass-through
  - **VPN:** Two (2) simultaneous VPN tunnels
  - **Wireless:** 40/64- and 128-bit WEP encryption and WPA, 802.11i-ready
- **Management:**
  - Smart Wizard Browser-based administration
  - Remote management by IP Administration Address using SSL
  - DHCP Server, WAN DHCP Client
  - Port Range Forwarding
  - Exposed Host (DMZ)
  - Enable/Disable WAN Ping
  - DNS Proxy, PPPoE login client support
  - MAC Address Cloning
  - NTP support
  - Save/Restore Configuration files
  - Upgrades via Web Browser
  - Diagnostic Tools (ping, trace route, other)
  - Display statistics

## System Requirements

- Broadband Internet service and modem with Ethernet RJ-45 connector
- 2.4 GHz wireless adapter or Ethernet adapter and cable for each computer
- TCP/IP Networking software (Windows® 95, 98, Me, NT, 2000, XP, NetWare®, UNIX®, Linux®)
- Internet Explorer 5.0 or Netscape® 4.7 or higher
- Windows 98, Me, 2000, or XP for Print Server

## Package Contents

- ProSafe 802.11g Wireless Firewall with Print Server FWG114P
- Ethernet cable
- Power adapter
- Resource CD
- Installation guide
- Warranty/Support information card

