



# FR114W

## 11Mbps Cable/DSL ProSafe 802.11b Wireless-Ready Firewall with 4-port 10/100 Mbps switch

### Total Security plus Future-proof Wireless Capability

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

- Ready now with all the office network protection features you could ever want. Prepared for the future with wireless-ready capability. NETGEAR's ProSafe 802.11b Wireless-Ready Firewall has you covered both ways. This true firewall is broadband-capable, and provides you with the utmost in business class security – Denial of Service (DoS) protection and Intrusion Detection using Stateful Packet Inspection (SPI), URL access and content filtering, logging, reporting, and real-time alerts. VPN pass-through maximizes network security with access control and encryption. With 4 auto-sensing, switched LAN ports and Network Address Translation (NAT) routing, up to 253 users can access your broadband connection at the same time. Smart Wizard and Install Assistant get your network up and running in minutes, and a complete anti-virus software bundle is included at no extra cost to shield your network with additional protection.

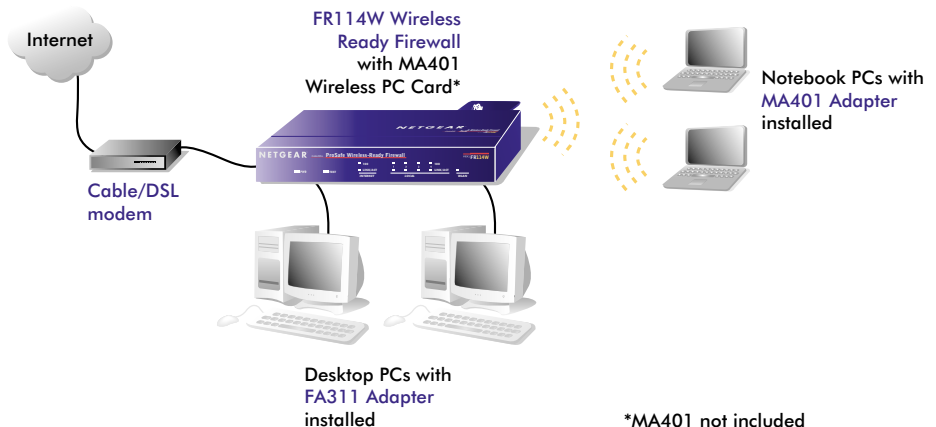
- **Wireless Ready** Protects your investment by easily allowing you to upgrade to wireless capability, either now or later. With the addition of a NETGEAR Wireless PC Card (sold separately), you don't need to run new cables to extend your network, and can achieve up to 11 Mbps wireless throughput.

- **Thoroughly Protected** Has everything you want for maximum security coverage: True Firewall using Stateful Packet Inspection (SPI) and Intrusion Detection features, Denial of Service (DoS) attack protection and, for extra safeguarding, VPN pass-through. There's even a Kensington Lock™ slot on the unit to prevent theft. And with free Freedom™ anti-virus and privacy protection software, the FR114W ProSafe 802.11b Wireless-Ready Firewall provides optimal value and defense against network security threats.

- **Business-Class Security** VPN pass-through allows for safeguarded connections to branch offices and your "on-the-go" mobile workforce. Network Address Translation (NAT) routing enables shared access to your broadband connection. Includes Web page URL content filtering and sends you e-mail notification of network activity – reporting and tracking of hacker attempts – as well as real-time alerts.

- **User Friendly** Smart Wizard connects to your ISP quickly; the easy-to-use Web-based configuration screen and Install Assistant reduce setup time. Remote administration capability makes connecting to multiple sites a breeze. The FR114W has an integrated 4-port 10/100 Mbps switch and is compatible with Windows, UNIX, Macintosh, and Linux. It even comes with an Ethernet cable (up to \$15 value).

### Typical Network Setup





## Related Products

### For connecting computers:

- Fast Ethernet PCI Adapter for desktops (FA311 or FA312)
- Fast Ethernet Adapter for laptops (FA411 or FA511)
- Fast Ethernet USB Adapter (FA101 or FA120)

### For connecting computers wirelessly:

- 802.11b Wireless PC Card for laptops (MA401)
- 802.11b Wireless PCI Adapter for desktops (MA301 or MA311)
- 802.11b Wireless USB Adapter for desktops (MA101)
- 802.11b Wireless Compact Flash Adapter for PDA's (MA701)

## System Requirements

- Broadband (cable, DSL, satellite or wireless) Internet service and modem with Ethernet RJ-45 connector
- Ethernet connection (adapter and cable) for each PC
- 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 Freedom® PC software
- NETGEAR MA401 PC Card (For wireless connectivity-sold separately)

# NETGEAR®

4500 Great America Parkway  
Santa Clara, CA 95054 USA  
Phone: 1-888-NETGEAR  
E-mail: sales@NETGEAR.com  
www.NETGEAR.com

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\*90-day free basic technical support, fee-based support available.

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## Technical Specifications

### Physical Interfaces:

- **LAN ports:** Four (4) 10/100 Mbps auto-sensing, RJ-45 ports (one Cat 5 UTP cable included)
- **WAN port:** 10/100BASE-T Ethernet RJ-45 port to connect to any broadband modem, such as DSL or cable
- **Wireless:** Slot for NETGEAR MA401 PC Card

### Security Features:

- **Firewall:** Stateful Packet Inspection (SPI) to prevent Denial of Service (DoS) attacks (Syn flood, ICMP flood, UDP flood, "ping of death", IP spoofing, land attack, tear drop attack, IP address sweep attack, Win Nuke attack), Intrusion Detection System (IDS) including logging, reporting and e-mail alerts, Web URL content filtering
- **VPN Functionality:** NAT traversal (VPN pass-through) for IPsec, PPTP and L2TP VPNs
- **Mode of Operation:** Network Address Translation (NAT), static routing, unrestricted users per port
- **IP Address Assignment:** Static IP address assignment, internal DHCP server on LAN, DHCP client on WAN, PPPoE client support.
- **Wireless:** 40-/64- and 128-bit WEP encryption, Web configurable

### Management Features:

- **Administration Interface:** Web graphic user interface, user name and password protected. Smart Wizard and Install Assistant for basic parameter settings. Remote management support authenticated through IP address or IP address range, and password.
- **Configuration and Upgrades:** Upload and download configuration settings, field upgradeable flash memory.

### Wireless Operating Range:

(With separate NETGEAR wireless card installed)

#### - Indoor

- @ 11 Mbps 100 ft. (30m)
- @ 5.5 Mbps 165 ft. (50m)
- @ 2 Mbps 230 ft. (70m)
- @ 1 Mbps 300 ft. (91m)

#### - Outdoor

- @ 11 Mbps 500 ft. (152m)
- @ 5.5 Mbps 885 ft. (270m)
- @ 2 Mbps 1300 ft. (396m)
- @ 1 Mbps 1500 ft. (457m)

- **Modulation Technique:** Direct Sequence Spread Spectrum (DSSS)

- **Frequency Band:** 2.4 GHz

### Protocol Support:

- **Network:** IP routing, TCP/IP, UDP, ICMP, PPPoE
- **IP addressing:** DHCP (client and server)
- **VPN/Security:** IPsec, PPTP, L2TP pass-through
- **Routing:** RIP-1, RIP-2 (Static & Dynamic)

### Application Support:

Quake, Half-Life, StarCraft, Unreal Tournament, PPTP, MIRC, ICQ, AOL Instant Messenger, Microsoft Messenger, NetMeeting, Real Player, Windows Media Player, QuickTime, Net2Phone, DialPad, and many more.

### User Support:

- **Wireless LAN:** Up to 32 users (with separate NETGEAR wireless card installed)
- **Wired LAN:** Up to 253 users (less number of wireless users)

### RFC Support:

- PPTP client and server (RFC 2637)
- IPSec tunnel mode (RFC 2401)  
(pass through mode), IP v4
- DHCP server (RFC 2131)
- DHCP client (RFC 2131)
- IP routing (RIP1, RIP2) (RFC 2453)
- NAT (many-to-one) (RFC 1631)
- IP control Protocol (RFC 1332)
- PPPoE (RFC 2516)

### Functions:

Smart Wizard to automatically detect ISP Address type (static, dynamic, PPPoE), Port Range Forwarding, Exposed Host (DMZ), Enable/Disable WAN Ping, DNS Proxy, MAC Address Cloning, NTP support, URL Content Filtering, E-mail Alerts, DHCP Server (Info and display table), PPPoE login client support, WAN DHCP Client, Diagnostic tools (ping, DNS lookup, other)

### Maintenance:

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

### Hardware Specifications:

- **Processor:** ADMtek 5106, 75MHz
- **Memory:** 1Mb Flash, 4 Mb DRAM
- **Power Adapter:** 12V DC, 0.8A. Plug is localized to country of sale for North America, Japan, UK, Europe, Australia
- **Dimensions:** H: 1.3" (3.2 cm), W: 7.4" (18.75 cm), D: 4.9" (12.4 cm)
- **Weight:** 1.8 lb (.82 kg)

### Environmental Specifications:

- **Operating temperature:** 0 to 40°C (32° to 140°F)
- **Operating humidity:** 90% maximum relative humidity, noncondensing

### Warranty:

- 3 years

## Package Contents

- FR114W ProSafe Wireless-Ready Firewall
- Power adapter \*\*
- 10 ft. Cat 5 cable (up to \$15 value)
- User guide
- Resource CD, with FREE Freedom™ anti-virus PC software
- Warranty and Registration card
- Support Information card

#### \*\*Power Adapter

Plug is localized to country of sale in North America, Australia, Europe, United Kingdom, Japan