



# FR328S

## ProSafe™ Firewall with Dial Back-up Port and 8-port 10/100 Mbps switch

### Secure, Fail-safe Internet Access with High-speed Performance

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

- NETGEAR's Cable/DSL ProSafe Firewall comes with connection insurance – a built-in serial port for dial-up access – so your business won't be out on a limb if your Broadband Internet connection fails. This practical feature lets you retain an analog or ISDN modem for emergency backup; it also provides a migration path from analog and ISDN to Broadband, making the transition effortless. The high-speed CPU means faster throughput. And you can be confident that your network has complete business class security with this True Firewall – Denial of Service (DoS) protection and Intrusion Detection using Stateful Packet Inspection (SPI), URL access and content filtering, logging, reporting, and real-time alerts. IPSec-based VPN pass-through maximizes network security with access control and encryption. Web browser-based settings and on-screen help make setup a breeze, and Smart Wizard install assistant gets your network up and running in minutes.

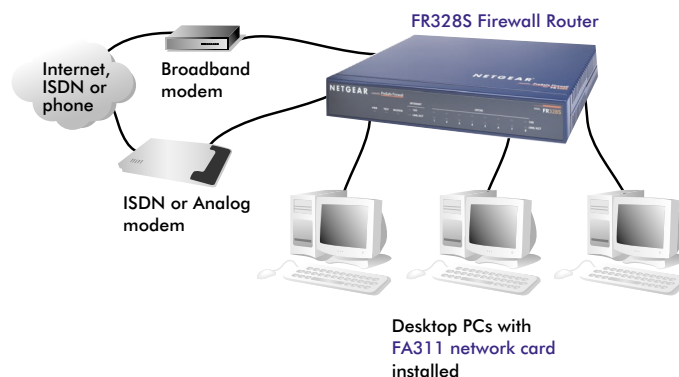
- Surefire** ● Built-in serial port provides a backup connection for an external ISDN or analog modem – so no downtime if your Broadband connection fails.

- Business-Class Secure** ● Full network protection from a True Firewall with Denial of Service (DoS) protection and Intrusion Detection using Stateful Packet Inspection (SPI), logging, reporting and alerts. Network Address Translation (NAT) routing and VPN pass-through safely share your Broadband connection with multiple computers.

- Robust** ● This Firewall's superior CPU enables WAN-to-LAN throughput of up to six times that of other routers. Provides a migration path from analog and ISDN to a Broadband connection, so upgrading to Broadband is practically automatic.

- Smooth Setup** ● NETGEAR's Smart Wizard install assistant guides you through each step and automatically detects your ISP connection type, saving time and reducing setup errors.

### Typical Network Setup



## Technical Specifications

### Physical Interfaces:

- **LAN ports:** Eight (8) 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
- **Serial Port:** DB-9, male

### 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

### Management Features:

- **Administration Interface:** Web graphic user interface, user name and password protected; Smart Wizard and Auto Detect 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, firmware upgradeable flash memory and DRAM

### 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)

### Modem Support:

Most popular broadband, ISDN and analog modems. See the technical support section at [www.netgear.com](http://www.netgear.com) for details of ISDN and analog modem list and initiation strings.

### User Support:

LAN: Up to 253 users

### RFC Support:

- PPTP client and server (RFC 2637)
- IPSec tunnel mode (RFC 2401)  
(pass through mode), IP v.4
- 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, Telstra BPA/log-in support, WAN DHCP Client, Diagnostic tools (ping, trace route, other), Port/service blocking, Auto-dial back-up on serial port, Back-up switch-over time settings, dial-in RAS (future software release), Serial port WAN DHCP server (future software release), Auto Uplink™ on switch ports

### Maintenance:

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

### Hardware Specifications:

- **Processor:** Brevis MSP series MIPS32 processor, 150Mhz
- **Memory:** 2Mb Flash, 8 Mb DRAM
- **Power requirements:** 12V DC, 1.2A; Plug is localized to country of sale
- **Dimensions:** H: 1.56" (3.96 cm), W: 10.0" (25.4 cm), D: 9.0" (17.8 cm)
- **Weight:** 2.72 lb (1.23 kg)

### Environmental Specifications:

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

### Warranty:

- NETGEAR 3-year warranty

## Package Contents

- FR328S ProSafe VPN Firewall
- Power adapter
- 10 ft. (3.05) Ethernet cable
- Installation Guide
- Resource CD
- Warranty/Support information card

## 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®, 98, Me, NT, 2000, XP, NetWare®, UNIX®, Linux®)
- Internet Explorer® 4.0 or Netscape® 4.0 or higher

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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.