



radware

# FireProof

Firewall Traffic Management

Radware's FireProof™ is an intelligent traffic management solution for multiple firewalls and Virtual Private Network (VPN) devices. Based on Radware's award winning technologies, FireProof provides certainty via non-stop service of your security environment and ensures outstanding service by optimizing your security resources.

## Firewall Traffic Management

### Fault Tolerance and Redundancy for Maximum Uptime

A single firewall creates a single point of failure, causing an interruption in service when the firewall is busy or down. This problem is intensified when adding multiple firewalls with no fault tolerance between them.

Radware's FireProof provides full fault tolerance between firewalls, eliminating the need for additional hot standby units. Should a unit fail, FireProof will redirect all requests to an alternative firewall, providing users with uninterrupted service. Furthermore, FireProof offers complete redundancy between units, assuring no single point of failure to the critical gateway of your network. The end result is reduced vulnerabilities and absolute certainty in critical business applications.

### Advanced Traffic Redirection Features for Enhanced Performance

Firewalls generally have a limited performance level when handling traffic. To accommodate a growth in traffic, organizations can either upgrade to a more powerful firewall or add more units. However, a single more powerful firewall will eventually reach its maximum growth potential. Moreover, when multiple firewalls are installed, traffic load is not dynamically shared between units, resulting in non-optimal use of the firewalls.

Radware's FireProof meets the challenge of firewall performance by providing load balancing between firewall units. The powerful traffic management capabilities of FireProof ensure optimal performance of all installed firewalls. Using an advanced array of built-in load balancing algorithms that monitor the number of clients and load on each firewall, FireProof dynamically distributes traffic evenly between firewalls, while taking into account both inbound and outbound traffic. This translates into the best service from click to content.

### Scalability for Protecting Your Investment

The FireProof solution offers full scalability to ensure an effective growth path. Lower cost firewalls or VPN systems can be incorporated and managed easily, eliminating the need to install a single, more expensive unit. In addition, FireProof allows you to create a firewall farm without the time consuming procedure of configuring different client groups on the network. FireProof gives you enough room to grow while protecting your investment as implementing additional firewalls to your farm is easily achieved.





### Efficient Management of Firewalls Through Application Switching

FireProof allows system administrators to maintain a policy list governing which firewall to use, based on different types of traffic. The policy criteria can be designated via source network, destination IP network and application. FireProof's application switching gives you the flexibility to direct users to pre-configured firewalls that may be more suited to handle specific traffic or users. This feature can be used to direct e-mail traffic through a specific firewall and direct all other application traffic through the other firewalls. The end result is an efficient allocation of firewall resources.

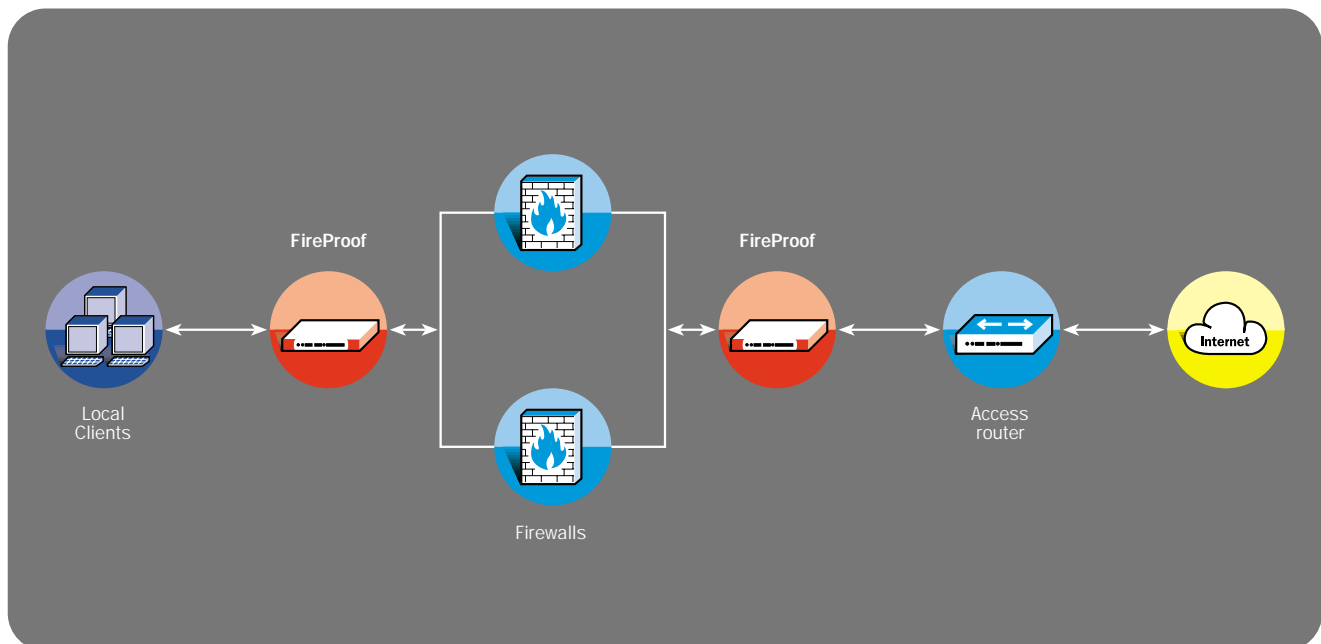
In addition, FireProof offers the functionality of two FireProofs in a single unit. FireProof can have rules configured so incoming traffic to one of its ports will be forced to leave via a specific port. Forcing traffic to take only specified paths through FireProof, you can safely assure that no leakages occur between ports. This allows for functionality, scalability and a cost effective solution in a single FireProof unit.

### Full Path Health Monitoring

The FireProof solution monitors the full transaction path from firewall to access router, assuring that the full data path is a healthy one. Based on the results of this check, FireProof chooses the healthy firewall path to transmit data – thereby guaranteeing the best and most secure service from click to content. Full path health monitoring offers a more efficient usage of one's network resources. If one faulty link exists, FireProof will not direct users to the unhealthy path, thereby transparently providing clients guaranteed service.

### Enhanced Performance with Application Switch

Users will benefit from FireProof's multi-Gigabit ethernet support and the easy deployment of high bandwidth. The Application Switch is based on a multi-layered switching architecture and a multiple ASICs design fabric ensures wire speed switching for the 2 Gigabit and 8 Fast Ethernet ports. A non-blocking 9.6 Gigabit backplane provides ultra-high capacity for application switching. These combined with the rich software feature set provide for unparalleled Gigabit traffic management performance, ensuring high availability, redundancy and performance.



# Product Specifications



## FireProof • Firewall Traffic Management

|                        |                            |
|------------------------|----------------------------|
| RISC Processor         | MPC 750 266 MHz (Power PC) |
| Backplane speed        | 9.6 Gbps                   |
| 10/100 ports           | 8                          |
| Gigabit Ethernet ports | 2                          |
| L2 Switching           | Wire Speed                 |
| RAM                    | 64 Mb (128 Mb)             |
| VLANs                  | 64                         |
| Real Servers           | 10,000                     |
| VIP (Virtual IP)       | 512/3,000                  |
| IP Routing Interfaces  | 2,000                      |
| Routing table entries  | 128,000                    |
| Simultaneous Clients   | 500,000                    |
| Simultaneous Sessions  | Unlimited                  |
| Routing Protocols      | OSPF, RIP, RIP II          |

### Network Management

Command Line Interface  
HP OpenView for Sun Solaris  
Web  
SNMP  
Telnet  
Full GUI

### Standards

10BASE-T/100BASE-TX (IEEE 802.3, 802.3u), 1000BASE-SX (IEEE 802.3z), SNMP (1213 MIB-II, 1643 Ethernet, 1493 Bridge), IP, OSPF, RIPv1, RIPv2, TFTP, BootP, Telnet

### 1000BASE-SX Ports

Full-duplex Gigabit Ethernet SC fiber connectors

### 1000BASE-SX Operating Distance

Shortwave (850 nm) 62.5 micron MM fiber .2 to 275 meters 50 micron MM fiber .2 to 550 meters

### 10BASE-T/100BASE-TX Ports

10/100 full or half-duplex (auto-negotiation) with RJ-45 connections for UTP ports

### RS-232C Console

DB-9 serial connection, female DCE interface for out-of-band management

### Dimensions

Width: 432mm  
Depth: 475mm  
Height: 44mm (Standard 19. EIA rack or standalone)  
Weight: 3.5 kg

### Environmental

Operating Temperature: 0-40°C  
Humidity (non-condensing) 5% to 95%

### Power

Auto-range supply: 100-250V 50-60Hz

### Certifications

CE, UL, CUL, FCC, VCCI

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