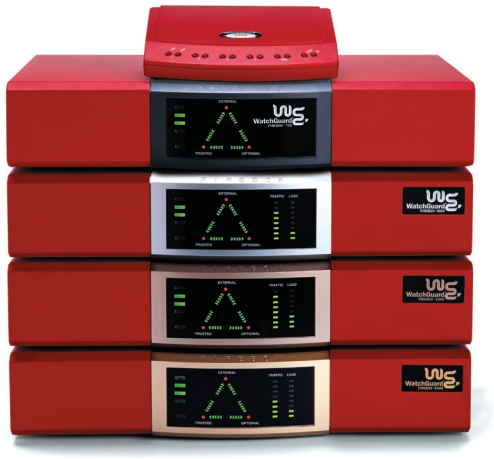
WATCHGUARD® FIREBOX™ SYSTEM

Easy To Install. Easy To Manage. Always Up-To-Date.

Overview

The WatchGuard Firebox System is a comprehensive firewall and VPN security solution that reduces the time and resources required to secure your network. Unlike traditional firewall and VPN products that are difficult to install and maintain, the WatchGuard Firebox System is simple to install and can be managed from a central location.

A selection of Firebox models lets you choose the best combination of performance, features and price for your business. WatchGuard also offers optional products to expand the capabilities of your Firebox System. Every Firebox System includes a one-year subscription to the LiveSecurity™ Service, an annual subscription service that delivers software updates, security information alerts, and technical support directly to you.



Firebox™ III System Security Features

The WatchGuard Firebox System includes a comprehensive suite of security software. WatchGuard's firewall technologies let you control incoming and outgoing traffic between the Internet and your protected networks. Network Address Translation (NAT) makes it possible to hide your internal IP addresses from the external network, and to allow internal hosts with unregistered IP addresses to function as Internet-reachable servers. Mobile User and Branch Office Virtual Private Networking (VPN) allow you to set up secure communication tunnels between your protected network and traveling employees,

branch offices, and trading partners. User Authentication allows you to configure access rules by user or group. URL Filtering improves productivity by filtering or blocking Web site privileges.

Firewall

- **Security Proxies** are used to apply filter rules to the contents of TCP/IP packets.
- **Stateful Dynamic Packet Filtering** lets you build filtering rules based on the state of the connection.
- **Anti-spamming Filter, SpamScreen®** option enables you to automatically tag or deny e-mail received from questionable sources.
- **Scan Detection** automatically detects and blocks port scanning attempts.
- **Spoofing Detection** protects internal hosts against spoofing by hostile external hosts.
- **Site Blocking** prohibits certain Internet addresses from accessing your protected networks.
- **Port Blocking** prohibits access to dangerous ports in your TCP and UDP services.
- **Synflood Protection** stops Synflood denial of service attacks.

Network Address Translation

- **Dynamic NAT** hides internal IP addresses from the external network.
- **Static NAT** allows internal hosts with unregistered IP addresses to function as Internet-reachable servers.
- **One-to-one NAT** allows mapping of a range of IP addresses to an alternate range of IP addresses.

User Authentication

- **Positively identifies** users and defines "user" and "group" policies.
- **Authenticates users** against Windows NT® servers, RADIUS™ - compliant authentication servers (as defined in RFC 2138), SecurID® and CRYPTOCard® authentication, and WatchGuard's built-in authentication.

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WatchGuard Mobile User VPN

Mobile User VPN secures communications between traveling employees and your protected network. Mobile User VPN lets you create VPN tunnels in one of two ways:

- WatchGuard's PPTP-based Remote User VPN is included in each Firebox™ System. Traffic is encrypted using RSA RC4 encryption standard and users are authenticated using MS-CHAP against a user/password list maintained in the Firebox configuration.
- WatchGuard Mobile User VPN IPSec clients are available when you need even more reliability and standards-compliance. These clients are included with the Firebox 1000, 2500, and 4500, and are optional for the Firebox 700 and Firebox SOHO. Once installed, traffic is encrypted using DES or 3DES-CBC encryption and data packets are authenticated using MD5 or SHA-1.

WatchGuard Branch Office VPN

WatchGuard supports the latest version of the IPSec standard that uses the Internet Key Exchange (IKE) protocol for dynamically negotiating keys. IKE enhances security and enables the Firebox to establish a secure, standards-based VPN connection with other network devices that support IKE.

Branch office VPN tunnels may also be established with WatchGuard's Proprietary Encryption Protocol using RSA RC4 encryption standards.

URL Filtering (WebBlocker™) Lets You:

- Block Web site categories as defined by the CyberPatrol® database.
- Manually add or block specific sites.
- Customize screen messages for blocked sites.
- Improve productivity by managing employee Internet access during the workday.

Firebox III Family Appliance Architecture

The WatchGuard Firebox appliance is equipped with a security-hardened Linux-based operating system, and dedicated to the task of Internet security. Solid-state architecture removes the risk of hard drive failure and disk crashes. Three independent network interfaces allow you to separate your protected office networks from the Internet while giving you an optional public network to host Web, e-mail, or FTP servers.

Each network interface is independently monitored and visually displayed on the front of the Firebox to indicate connectivity and Armed/Disarmed status. The TrafficMeter displays the trusted external and optional interfaces (green bars show the direction of allowed traffic, red lights indicate denied traffic). The Sys A /Sys B display indicates whether the Firebox is running your defined security policy or is in configuration mode.

Firebox SOHO and SOHO|tc Security Features

The Firebox SOHO security appliances offer easy to use broadband firewall protection for small offices and telecommuters with up to 50 computers. The Firebox SOHO lets you network your computers using a single broadband connection. Just plug the Firebox SOHO in between your cable, DSL or ISDN router and your network, and you can exchange mail and share files, printers and other peripherals. You can easily manage your network from your browser.

The Firebox SOHO products support the most current Internet security technology including firewall packet filtering, Internet sharing, office networking and come with a one-year LiveSecurity Service subscription.

The Firebox SOHO|tc comes with the VPN option that allows you to easily create VPN tunnels for telecommuters and remote users. VPN tunnels present a simple and secure way to exchange information over the Internet.

- **Stateful Dynamic Packet Filtering** lets you build filtering rules based on the state of the connection.
- **Security Services** support DHCP, PPPoE, ICQ, Real® Audio/Video, NetMeeting, Intel® Video Phone, and SOCKS5® (Version 5).
- **Anti-Virus** protects computers with from viruses using the McAfee® VirusScan® ASaP anti-virus service.
- **URL Filtering** option is a powerful tool to control Web usage. WebBlocker™ ensures Web usage is in compliance with your acceptable use policies.
- **Branch Office VPN** option for Firebox SOHO (Included with SOHO|tc) supports up to 5 concurrent IPSec VPN tunnels.
- **Mobile User VPN** option supports up to 5 concurrent IPSec VPN tunnels.
- **Remote Management** lets you manage the Firebox SOHO with complete security using 3DES encryption from a browser-based interface.
- **Dynamic NAT** hides internal IP addresses from the external network.
- **Static NAT** allows internal hosts with unregistered IP addresses to function as Internet-reachable servers.
- **Scalable Platform** with complete integration with Firebox III models for maximum security for Internet distributed enterprises.

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Additional Products

WatchGuard also offers additional products that enhance the capabilities of your Firebox System, allowing it to grow with your business.

VPN Manager

Simplify Setup and Management of VPNs.

WatchGuard's VPN Manager software lets you set up and manage multi-site VPNs in three simple steps. 4-node licenses are included with the Firebox 1000, 2500, and 4500.

Mobile User VPN

Integrate IPSec-Compliant Remote Access.

Mobile User VPN gives your traveling employees secure, standards-based remote access to your corporate network. 5- to 20-node licenses are included with Firebox 1000, 2500 and 4500.

McAfee VirusScan ASaP

Strong Anti-virus Protection.

WatchGuard and McAfee have joined forces to bring you the best anti-virus protection available today through a subscription to the McAfee VirusScan ASaP program. A 5-node license is included with Firebox III models, and a 1-node license is included with Firebox SOHO models.

WatchGuard High Availability

Configure a Redundant Firebox.

WatchGuard High Availability software lets you install a second, standby Firebox on your network to ensure virtually uninterrupted network access.

SpamScreen®

Fight the Deluge of Junk E-mail.

An advanced anti-spamming filter that checks incoming messages against lists of questionable sources.

WebBlocker™ for Firebox SOHO

Easy to use URL Filtering.

WebBlocker for the WatchGuard SOHO and SOHO|tc is a powerful tool for managing Web usage in a small office or remote office.

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WatchGuard® Firebox™ System Technical Specifications

Component	Technology and Protocols Supported For:	
	Firebox 700, 1000, 2500, 4500	**Firebox SOHO and SOHO|tc**
WatchGuard Secure Management		
Management Platforms	• Windows® 95/98/2000/NT® 4.0	• Support all leading platforms
Browsers	• Internet Explorer 5.0 and higher • Netscape Navigator 4.7 and higher	• Internet Explorer 5.0 and higher
Reporting	• Internet Explorer 5.0 and higher	
Management Session	• 3DES-CBC 128-bit encryption	• 3DES-CBC 128-bit encryption
Out-of-Band Management	• PPP, 3DES-CBC 168-bit encryption	
Logging	• DES-CBC 56-bit encryption	
WatchGuard Security Features		
Firewall		
Dynamic Stateful Packet Filter	• All static port TCP/IP services	• All static port TCP/IP services
Security Proxies	• SMTP, HTTP, FTP, DNS, DCE-RPC, H323, RTSP, RealNetworks, StreamWorks, VDOLive	
Scan Detection	• Proprietary (port and address)	
Spoofing Detection	• Proprietary	
Site Blocking	• Static (permanent blocking) or Dynamic (configurable from 1 to 32,767 minutes)	
Port Blocking	• Default for easily exploited TCP/IP services like X Windows and rlogin	
Synflood	• Proprietary	
Other supported services		• DHCP, PPPoE, ICQ, RealAudio/Video, NetMeeting, Intel Video Phone, SOCKS V.5
Network Address Translation		
Dynamic NAT	• Port-to-internal host mapping	• Port-to-internal address mapping
Static NAT	• IP address-to-IP address mapping	• IP address-to-IP address mapping
One-to-One NAT	• Range-to-range address mapping	

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WatchGuard® Firebox™ System Technical Specifications

Component	Technology and Protocols Supported For:	
	Firebox 700, 1000, 2500, 4500	**Firebox SOHO and SOHO|tc**
WatchGuard Security Features Cont'd		
User Authentication	• Windows NT®, RADIUS™, SecurID®, CRYPTOCard®, and Firebox Authentication Server.	• WebBlocker user authentication
Branch Office VPN		
IPSec Tunnel	• MD5-HMAC authentication algorithm • SHA1-HMAC authentication algorithm • DES-CBC 56-bit encryption • 3DES-CBC 168-bit encryption • Internet Key Exchange (IKE) • Manual Key Negotiation • Phase 1 Negotiation	• MD5-HMAC authentication algorithm • SHA1-HMAC authentication algorithm • DES-CBC 56-bit encryption • 3DES-CBC 168-bit encryption • Internet Key Exchange (IKE) (These options are included with the SOHO|tc, optional with the SOHO)
WatchGuard Proprietary Tunnel Encryption	• ARC4 40-bit encryption • RC4 128-bit encryption	
Remote User VPN		
PPTP Tunnel	• ARC4 40-bit encryption • RC4 128-bit encryption	• ARC4 40-bit encryption • RC4 128-bit encryption • PPTP passthrough
IPSec Tunnel (optional with Firebox 700 and SOHO)	• DES-CBC 56-bit encryption • 3DES-CBC 168-bit encryption	• DES-CBC 56-bit encryption • 3DES-CBC 168-bit encryption • IPSec passthrough
URL Filtering		
Controllable Variables	• 14 defined Web site categories • Define user/group access privileges • Define operational and non-operational hours access privileges • Define exceptions to Web site categories	• 14 defined Web site categories • Define user/group access privileges • Define operational and non-operational hours access privileges • Define exceptions to Web site categories
LiveSecurity Service		
Authentication	• Web site login protected by SSL • VeriSign digital certificates • X.509 V3 certificate, 1024-bit key	• Web site login protected by SSL • VeriSign digital certificates • X.509 V3 certificate, 1024-bit key
Code Signing	• VeriSign digital code signing certificate • Microsoft Authenticode™	• VeriSign digital code signing certificate • Microsoft Authenticode™
Broadcast Availability	• E-mail	• E-mail

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Firebox 4500

- 3 RJ45 10/100 Tx Ethernet interfaces
- 1 DB-9 serial port
- 500 MHz AMD K6-IIIE+ processor
- 256 MB SDRAM
- 8 MB Flash disk
- 100-240 VAC, 50/60 Hz
- 15.5″ W x 2.85″ H x 10.5″ D
- High performance encryption accelerator PCI card

Firebox 2500

- 3 RJ45 10/100 Tx Ethernet interfaces
- 1 DB-9 serial port
- 500 MHz AMD K6-IIIE+ processor
- 128 MB SDRAM
- 8 MB Flash disk
- 100-240 VAC, 50/60 Hz
- 15.5″ W x 2.85″ H x 10.5″ D
- On-board hardware encryption

Firebox 1000

- 3 RJ45 10/100 Tx Ethernet interfaces
- 1 DB-9 serial port
- 300 MHz AMD K6-IIE processor
- 64 MB SDRAM
- 8 MB Flash disk
- 100-240 VAC, 50/60 Hz
- 15.5″ W x 2.85″ H x 10.5″ D
- On-board hardware encryption

Firebox 700

- 3 RJ45 10/100 Tx Ethernet interfaces
- 1 DB-9 serial port
- 233 MHz AMD K6-IIE processor
- 64 MB SDRAM
- 8 MB Flash disk
- 100-240 VAC, 50/60 Hz
- 15.5″ W x 2.85″ H x 10.5″ D

Firebox SOHO, SOHO|tc

- WAN: 1 RJ45 10BaseT Ethernet interface
- LAN: 4 RJ45 10BaseT Ethernet interfaces
- Toshiba TMPR 3907 CPU
- 4 MB SDRAM
- 1 MB Flash memory
- 6.5″ W x 1.0″ H x 6.1″ D
- On-board hardware encryption

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