

# **Firebox® X Hardware Guide**

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Firebox® X500, Firebox® X700,  
Firebox® X1000, Firebox® X2500



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### DECLARATION OF CONFORMITY

**WatchGuard Technologies, Inc.**

505 Fifth Ave. S., Suite 500

Seattle, WA 98104-3892

USA

WatchGuard Technologies Inc. hereby declares that the product(s) listed below conform to the European Union directives and standards identified in this declaration.

**Product (s):**

Internet Firewall and VPN (Encryption) Network Device, Models: R6264S, and R4128S.

**EU Directive(s):**

Low Voltage (73/23/EEC)

Electromagnetic Compatibility (89/336/EEC)

**Standard(s):**

EN 60950 : 1992 (A1:1993; A2:1993; A3:1995; A4:1997; A11:1997)

EN50022 (1998), Class A

EN50024 (1998)

Signature

Full Name Jim Cady

Position President, COO

Date 6 November 2003

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## **FCC Certification**

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This device has been tested and found to comply with limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

## **CE Notice**

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The CE symbol on your WatchGuard Technologies equipment indicates that it is in compliance with the Electromagnetic Compatibility (EMC) directive and the Low Voltage Directive (LVD) of the European Union (EU).



## **Industry Canada**

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This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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## VCCI Notice Class A ITE

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# Hardware Guide

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The WatchGuard® Firebox® X is the world's first key-upgradeable integrated security appliance. Its Intelligent Layered Security architecture delivers multiple layers of protection that work together to detect and block threats from attacking your network. Stateful firewall, VPN, intrusion prevention, application filtering, spam blocking, and content filtering are all integrated into a single appliance and managed through a common interface.

The Firebox X is a superior security device designed with the future in mind. This platform has a streamlined 1 U form factor, increased processing power, higher memory and port count compared to existing Firebox devices. There is an LCD display and front panel controls that allow access to status information without going to the management station. The Firebox X even has an external hard drive bay for storage expandability in future applications.

As your security requirements grow, the Firebox X platform is fully upgradeable to a higher performing model by simply entering a license key. Additionally, you can purchase a license key to activate additional network ports and high availability functionality to support your network and reliability requirements. As new security services become available for the Fire-

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box X to combat against future threats, a simple download and license key is all that is needed to enable your Firebox X to provide added layers of defense.

The Firebox X is a rack-mountable device that is easily installed into your network. For information on installing the Firebox X, see the Firebox QuickStart Guide or the “Getting Started” chapter in the User Guide.

Thank you for choosing the Firebox X to protect your network. We look forward to serving your security needs through these dynamic times.

## **Package Contents**

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The package should contain the following:

- Firebox X device
- 3 straight-through Ethernet cables (green)
- 1 cross-over Ethernet cable (red)
- 1 serial cable (blue)
- 1 DB9 adapter
- 1 rack-mounting kit
- WatchGuard System Manager CD
- Firebox X documentation pack
- LiveSecurity<sup>®</sup> Service activation card
- License key
- Warranty card

## Hardware Specifications

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The following table shows the specific hardware specifications for the Firebox X.

Processor	Intel Pentium III class processor
Memory - Flash	64 Mbyte
Memory - RAM	256 Mbyte
Network interfaces	6x10/100
Serial ports	1 DB9
Power supply	100-240 VAC Autosensing
Dimensions	D=9.5" W=16.75" H=1.75"
Weight	9.2 lbs

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## Environmental Requirements

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WatchGuard recommends physically installing a Firebox X device under the following conditions:

- Securely rack-mounted
- Placed in a secured environment, such as a locked LAN room, or similar space, to prevent physical compromise by unprivileged personnel
- Connected to conditioned power to prevent damage caused by power spikes and other power fluctuations

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The following table shows other environmental requirements.

Operating temperature	0 – 40 degrees Celsius (+32 – 104 degrees Fahrenheit)
Operating humidity	10% – 85%
Non-operating temperature	–40 – 70 degrees Celsius
Non-operating humidity	10% - 95% Non-condensing at 55 degrees Celsius (131 degrees Fahrenheit)
Non-operating random vibration	7 – 28 Hz 0.001 to 0.01 G2 per Hz
Acoustic noise	50 dBA at 20 – 25 degrees Celsius
Operating mechanical shock	20.0 G with 11 msec duration, 1/2 sine wave

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## Hardware Description

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### Firebox® X front panel

The following photograph shows the entire front view.



The photograph below shows a close-up of the left side of the indicator panel. From the left, the indicators are as follows:



### Front Panel Display

The LCD screen displays Firebox X status information. Use the buttons to change the information that appears.

### LCD Console Buttons

Use the buttons to scroll through the following information:

Up	Firebox Model Number Sys A or Sys B status Armed or Disarmed status
Right	Load average Memory usage
Down	Firebox uptime Time of last change to configuration file
Left	External IP address Default Gateway

If you press and hold the Up button within ten seconds after powering on, the Firebox X boots into SysB mode.

### Power

A yellow LED (light-emitting diode) indicates that the power is on.

### Arm/Disarm

A green LED indicates the Firebox is armed. A red LED indicates the Firebox is disarmed.

### Serial port (Console)

An DB9 connector for the serial port. This port has a cover that you need to remove to access the port.

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The photograph below shows a close-up of the right side of the indicator panel. From the left, the indicators and connections are as follows.



### Interface ports

The six ports have standard RJ45 connectors and are labeled External (0), 1, 2, 3, 4, and 5. Each port has a corresponding LED located above the interface ports. Interface ports 3, 4, and 5 are not active at this time and are reserved for future use.

### LED

The six pairs of LEDs are labeled 0, 1, 2, 3, 4, and 5, and they correspond to the interface ports below. The LEDs show the link and connection speed of the interface. When the interface runs at 100 Mbit, the top LED is green. When the interface runs at 10 Mbit, the bottom LED is green.

### Hard Drive Bay

Reserved for future use. Do not remove the empty insert unless directed as part of a future upgrade or option.

## Firebox® X rear view

The rear view of the Firebox X has the AC receptacle and power switch.



**AC Receptacle**

Accepts the detachable AC power cord supplied with the Firebox X. The power supply for the Firebox X is a WatchGuard standard auto-sensing AC power supply.

**Power Switch**

Turns the Firebox X on or off.

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