



WatchGuard Firebox[®] M4600 Hardware Guide

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ABOUT WATCHGUARD

WatchGuard® Technologies, Inc. is a global leader in network security, providing best-in-class Unified Threat Management, Next Generation Firewall, secure Wi-Fi, and network intelligence products and services to more than 75,000 customers worldwide. The company's mission is to make enterprise-grade security accessible to companies of all types and sizes through simplicity, making WatchGuard an ideal solution for Distributed Enterprises and SMBs. WatchGuard is headquartered in Seattle, Washington, with offices throughout North America, Europe, Asia Pacific, and Latin America. To learn more, visit WatchGuard.com.

For additional information, promotions and updates, follow WatchGuard on Twitter, @WatchGuard on Facebook, or on the LinkedIn Company page. Also, visit our InfoSec blog, Secplicity, for real-time information about the latest threats and how to cope with them at www.secplicity.org.

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Hardware Specifications

WatchGuard security appliances deliver unparalleled unified threat management, superior performance, ease of use, and value. Powerful subscription-based security services boost protection in critical attack areas for multiple layers of defense.

This guide introduces the Firebox M4600, an RoHS-compliant (lead-free) hardware product offered by WatchGuard.

Fireware OS

The Firebox M4600 uses WatchGuard's next generation UTM OS — Fireware® OS. The Firebox includes Fireware and delivers exceptional protection against today's sophisticated threats to make sure that your business stays connected. For more information on the features of Fireware OS, see the current *Fireware Help*.

Package Contents

- Firebox M4600 device
- *Quick Start Guide*
- 1 straight-through Ethernet cable (green)
- 1 cross-over Ethernet cable (red)
- 1 serial cable with an RJ-45 connector (console cable)
- 6 power cords (2 each for US, EU, and UK)
- 2 rack mount ear brackets, with 4 screws each
- Rack mount rail kit

About Your Hardware

Hardware Specifications

Processor	Intel Xeon E3-1275V3
Storage:	2 GB CFAST CARD + 320GB 2.5" SATA HDD
Memory: DDR3	8 GB
Power supply	Dual power supplies 300W 100-240VAC/5-3A/50-60Hz
Dimensions	Depth: 18.42" (46.8 cm) Width: 16.96" (43.1 cm) Height: 1.73" (4.4 cm) - 1U
Weight	17.63 lbs (8 Kg)

Interface Specifications

Network interfaces	8x 1000 Base-TX (10/100/1000 Mbps), RJ45 connector
I/O interfaces	2 USB 3.0 1 RJ45 RS232 console port

This specification describes the interfaces that are on the Firebox M4600 as shipped. The Firebox also has two slots where you can install additional interface modules. The supported interface modules are described in the Hardware Description section.

Environmental Requirements

To safely install your Firebox, we recommend that you:

- Install it in a network rack
- Put it in a secure area, such as a locked room, to prevent unauthorized access
- Connect it to a conditioned power supply to prevent damage from sudden power changes

Other M4600 environmental requirements:

Operating temperature	0 - 40°C (32 - 104°F)
Operating humidity	5% - 90% non-condensing
Non-operating temperature	-10 - 70°C (14 - 158°F)
Non-operating humidity	5%-90%, non-condensing

Hardware Description

Front View

Firebox M4600 front view:



Left front panel detail:



Buttons and Indicators

Power (⏻)

The power indicator on the left front of the Firebox is green when the Firebox is powered on.

Arm/Disarm (🛡️)

When the Firebox is armed and ready to pass traffic, this indicator is green. When the Firebox is powered on, but not ready to pass traffic, this indicator is red.

Storage (💾)

When there is activity on the CFAST card or hard disk this indicator is yellow.

Power Button (⏻)

The Power button, on the left side of the Firebox, is lit to indicate power status. It is green when the Firebox is powered on, and red when power is available, but the Firebox is powered off.

When the Power button is red, press this button to power on the device.

When the Power button is green, press and hold the power button for five seconds to power off the device. The Firebox does not power off if you briefly press the power button.

Reset Button

The Reset button, located to the left of the USB interfaces, resets the device to factory-default settings. To reset the device, use the procedure in "Restore Factory-Default Settings" on page 10.

Built-In Interfaces

The Firebox M4600 has 8 built-in network interfaces, two USB interfaces, and one serial console port.

Dual USB interfaces

Connect a USB storage device to use for USB backup and restore, or to store a support snapshot.

For more information about USB functions, see the current *Fireware Help*.

Console port

An RJ45 connector for the serial interface is located above the USB interfaces. You can connect to this serial interface to log in to the Fireware command line interface.

For more information about the command line interface, see the current *Fireware Command Line Interface Reference*.

RJ45 interfaces

Interfaces 0 - 7 are RJ45 Ethernet interfaces that support link speeds of 10, 100, or 1000 Mbps. Each RJ45 interface has two indicators. The right indicator shows the interface connection status. The left indicator shows interface activity.

Indicator	Indicator color	Interface Status
Connection (right)	Yellow	Link at 1000 Mbps
	Green	Link at 100 Mbps
	Not lit	Link at 10 Mbps, or no link
Activity (left)	Yellow, blinks	Power on, network activity
	Not lit	Power off, no connections

Interface Modules

To add more interfaces to your Firebox, you can install interface modules in slots A and B. You must install the interface module before you can configure the interfaces. For instructions to install or remove interface modules, see “Interface Module Installation” on page 21.



Interface modules are not hot-swappable. To avoid damage to the system, power off the Firebox before you install or remove interface modules.

You can purchase compatible interface modules from an authorized WatchGuard reseller:

- WatchGuard Firebox M 8 Port 1Gb Copper Module — WatchGuard SKU WG8592
- WatchGuard Firebox M 8 Port SFP Fiber Module — WatchGuard SKU WG8593
- WatchGuard Firebox M 4 Port 10 Gb SFP+ Fiber Module — WatchGuard SKU WG8594

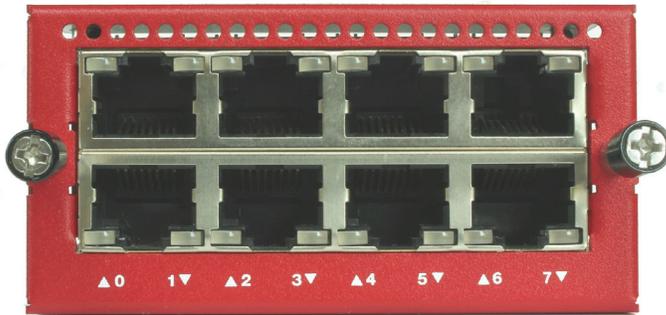
For each interface module, ports are numbered from 0-7 or 0-3. The interface numbers that appear in the Firebox configuration depend where each interface module is installed.

Installed in Firebox slot	Number of ports	Modular interface port numbers	Interface numbers in management software
A	8	A0 - A7	8 - 15
A	4	A0 - A3	8 - 11
B	8	B0 - B7	16 - 23
B	4	B0 - B3	16 - 19

Indicators for the modular interfaces are described in the subsequent sections.

8 port 1G RJ45 Interface Module

The eight RJ45 interfaces are numbered from 0 to 7.

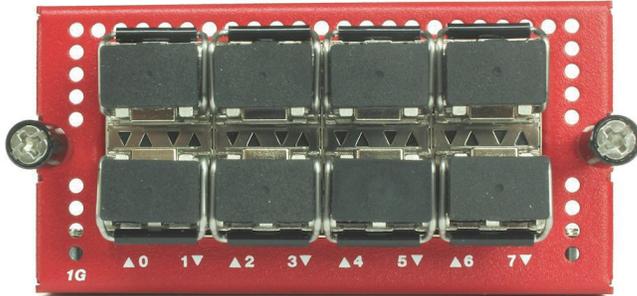


Each RJ45 interface has two indicators. The right indicator shows the interface link status. The left indicator shows interface activity.

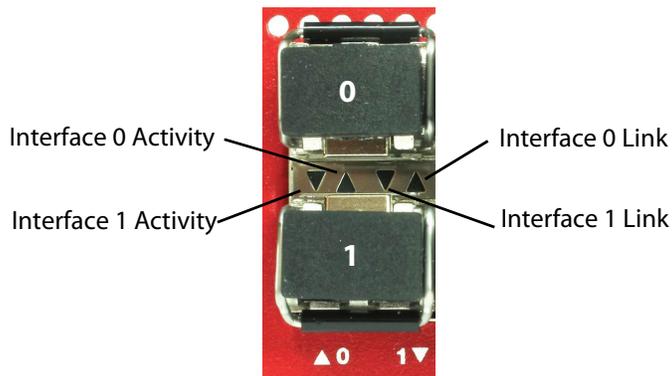
Indicator	Indicator color	Interface Status
Activity (left)	Yellow, blinks	Power on, network activity
	Not lit	Power off, no connections
Connection (right)	Yellow	Link at 1000 Mbps
	Green	Link at 100 Mbps
	Not lit	Link at 10 Mbps, or no link

8 port 1G SFP Interface Module

The eight SFP interfaces are numbered from 0 to 7. To use these interfaces you must plug in a compatible SFP transceiver.



Each SFP interface has two indicators. Indicators are located in the center of the interface module, between the upper and lower row of interfaces. Indicators that point up (▲) show the status of the upper interface. Indicators that point down (▼) show the status of the lower interface.



For each interface, the left indicator shows activity, and the right indicator shows the link status..

Indicator	Indicator color	Interface Status
Activity (left)	Orange, blinks	Power on, network activity
	Not lit	Power off, no connections
Connection (right)	Orange	Link at 1000 Mbps
	Not lit	No link

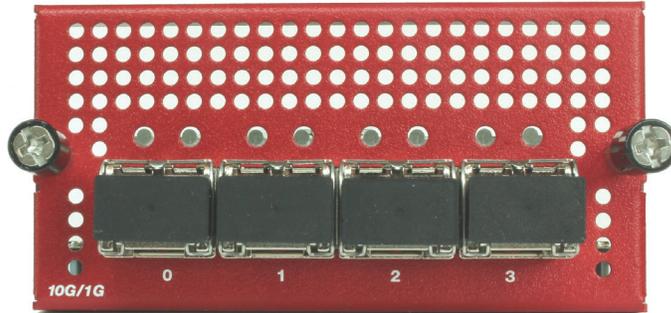
You can purchase compatible SFP transceivers from an authorized WatchGuard reseller:

SFP multi-mode transceivers (1000Base-SX, 850nm)

FINISAR FTLF8519P3BNL
WatchGuard SKU WG8585

4 port 10G SFP+ Interface Module

The four SFP+ ports are numbered 0 - 3. To use these interfaces, you must plug in a compatible SFP+ transceiver.



Each SFP+ port has two indicators. The left indicator shows link status, the right indicator shows activity.

Indicator	Indicator color	Interface Status
Connection (left)	Green	Operates at 10 Gbps or 1 Gbps
	Not lit	No link
Activity (right)	Orange, blinks	Power on, network activity
	Not lit	Power off, no connections

You can purchase compatible SFP+ transceivers from an authorized WatchGuard reseller:

SFP+ multi-mode transceiver (10GBase-SR/1000Base-SX 850 nm)

FINISAR FTLX8571D3BCV
WatchGuard SKU WG8583

SFP+ copper transceiver (10Gbase-T, 30m)

FS SFP-10G-T

Rear View

Rear view of the Firebox M4600.



Cooling fans

The fans decrease the internal temperature of the device. The device adjusts the fan speed based on the external temperature and device CPU load.

AC receptacles

Each AC receptacle accepts a detachable AC power cord supplied with the Firebox. Each power supply is a WatchGuard standard auto-sensing AC power supply.



The AC power cord is only for WatchGuard products, and not usable for other equipment.

Power Switch

Controls the power supplied to the device. The power switch activates both power supplies.

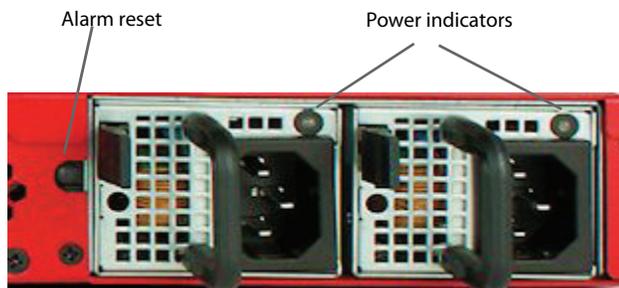
Replaceable power supplies

There are two power supplies on the Firebox M4600, each with a power indicator at the top. For instructions to install a replacement power supply, see "Power Supply Installation" on page 22

Power Indicator color	Power Supply Status
Green flashing	Power is connected to at least one power supply, device is powered off
Green solid	Power is connected, device is powered on
Red flashing	Power is not connected or power supply failed, device is powered on.
Not lit	Power is not connected, device is powered off.

Alarm reset button

When the Firebox is powered on, if either power supplies fails or is not connected to a power source, an audible alarm sounds. To silence the alarm, press the alarm reset button, located to the left of the power supplies. After you silence the alarm the indicator for the failed power supply flashes red.



Restore Factory-Default Settings

If you ever need to, you can restore your Firebox to its factory-default settings. For example, if you do not know the administrator account passphrase or you want to start over with a new configuration, you can reset your device. Make sure you back up your device configuration before you reset your device in case you want to restore it in the future.

To reset your device:

1. Power off the device.
2. Press and hold the **Reset** button, while you briefly press the **Power** button on the front of the device to power it on.
3. Continue to hold the **Reset** button while the **Arm** indicator is red.
4. Continue to hold the **Reset** button while the **Arm** indicator is slowly flashing green.
5. When the **Arm** indicator flashes green more rapidly, release the **Reset** button.
6. Wait until the **Arm** indicator starts flashing red.
7. Press and hold the **Power** button on the front of the device for five seconds to power off the device.
8. Briefly press the **Power** button on the front of the device to power it on.

Safety Notices

All WatchGuard products are designed and tested to meet strict safety requirements. These requirements include product safety approvals and other global compliance standards. Read these instructions carefully before you operate the product, and refer to them as needed for continued safe operation of your product.

Product Safety Certification

The WatchGuard product is safety certified for these standards:

- CAN/CSA C 22.2 No. 60950-1-07+A1:2011+A2:2014
- UL 60950-1:2007 R10.14
- IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Safety Warning

- The AC power cord is only for WatchGuard products, and not usable for other equipment. Do not place objects on the power cord.
本コードは本製品専用です。他の機器には使用しないでください
- Do not obstruct the ventilation openings. These openings prevent overheating of the machine.
- Never push objects of any kind into slots or openings on this equipment. Making a contact with a voltage point or shorting out a part may result in fire or electrical shock.
- When removing or installing an appliance, follow the general installation safety instructions.
- You must disconnect the AC power cord from the Firebox before you remove the cover of the Firebox for any reason.
- There is risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the manufacturer's instructions.
警告 本電池如果更換不正確會有爆炸的危險，請勿自行更換電池
- Class I Equipment. This equipment must be earthed. The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltages on accessible metal parts.
- All Ethernet cables are designed for intra-building connection to other equipment. Do not connect these ports directly to communication wiring or other wiring that exits the building where the appliance is located.
- Disconnect the power source prior to defeating or bypassing the equipment protection means (like enclosure), and to restore the equipment protection means before restoring power.

Hinweise Zur Sicherheit

Alle WatchGuard Produkte werden entwickelt und getestet, um strenge Sicherheitsanforderungen zu erfüllen. Diese Anforderungen umfassen Produktsicherheit Zulassungen und andere globale Compliance-Standards. Bitte lesen Sie die folgenden Anweisungen sorgfältig, bevor Sie das Produkt, und bezeichnen sie als notwendig, um den sicheren Betrieb des Geräts zu gewährleisten. Weitere Informationen finden Sie in der elektronischen Hardware Guide.

Die WatchGuard Produkt ist Sicherheit unter den folgenden Normen zertifiziert:

- CAN/CSA C 22.2 No. 60950-1-07+A1:2011+A2:2014
- UL 60950-1:2007 R10.14
- IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Sicherheitshinweis

- Das Netzkabel ist nur für Watchguard-Produkte und nicht für andere Geräte geeignet.
- Legen Sie keine Gegenstände auf das Netzkabel.
- Sorgen Sie dafür, dass die Öffnungen der Ventilation zu keinem Zeitpunkt verschlossen, verstopft oder anderweitig blockiert sind. Die Ventilation verhindert ein Überhitzen des Gerätes.
- Stecken Sie niemals Gegenstände irgendwelcher Art in Schlitze oder Öffnungen des Gerätes. Wenn Sie Kontakt mit einem spannungsführenden Punkt oder ein Bauteil kurzschließen, kann es zu einem Brand oder elektrischen Schlag führen.
- Falls dieses Gerät mit einem Schutzkontaktnetzkabel ausgeliefert wird, verwenden Sie ausschließlich nur dieses an einer dafür vorgesehenen Netzsteckdose.
- Um Verletzungen oder Schäden am Gerät zu vermeiden, befolgen Sie vor dem Entfernen oder Installieren des Gerätes die im Hardware Guide zur Verfügung gestellten allgemeinen Installations- und Sicherheitshinweise.
- Die in dem Gerät verwendete Lithium-Batterie kann nicht vom Verbraucher getauscht werden. Bei Bedarf senden Sie das Gerät an einen WatchGuard Autorisierten Service-Center, um diesen Tausch mit einer vom Hersteller empfohlenen gleichen oder eines gleichwertigen Typs durchführen zu lassen. Entsorgen Sie die Batterie, bzw. das Gerät gemäß Ihren örtlichen Entsorgungsbestimmungen.

Avis de sécurité

Tous les produits de WatchGuard sont conçus et testés pour répondre à des exigences de sécurité strictes. Ces exigences incluent l'homologation de la sécurité du produit et la conformité à d'autres normes globales. Lisez ces instructions avec attention avant de mettre en route l'appareil et reportez-vous-y au besoin pour assurer une utilisation sûre de l'appareil.

Certifications de sécurité du produit

Les produits de WatchGuard répondent aux normes suivantes;

- CAN/CSA C 22.2 No. 60950-1-07+A1:2011+A2:2014
- UL 60950-1:2007 R10.14
- IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Avertissement de sécurité

- Le cordon d'alimentation secteur est uniquement destiné aux produits Watchguard et ne peut pas être utilisé pour d'autres équipements.
- Ne placez aucun objet sur le cordon d'alimentation.
- N'obstruez pas les ouvertures de ventilation. Ces ouvertures préviennent la surchauffe de l'appareil.
- N'insérez jamais d'objet de quelque sorte dans les fentes d'ouverture de cet équipement. Si vous faites contact avec un point sous tension ou court-circuitiez un composant, cela peut causer un incendie ou un choc électrique.
- Si l'appareil est fourni avec un câble d'alimentation électrique à trois points (avec prise terre), le câble d'alimentation doit impérativement être branché sur une prise à trois points correctement mise à la terre.
- Quand vous enlevez ou désinstallez un équipement, suivez les instructions générales de sécurité fournies dans ce Guide Matériel pour éviter toute blessure ou dégât à l'appareil.
- La batterie au lithium utilisée dans cet appareil de sécurité réseau ne peut pas être remplacée par l'utilisateur final. Renvoyez cet appareil à un centre de service autorisé par WatchGuard pour un remplacement avec une batterie du même type ou de type équivalent recommandé par le fabricant. Si pour une raison quelconque la batterie ou cet équipement doit être mis au rebus, suivez les recommandations du fabricant de la batterie.

Aviso De Seguridad

Todos los productos WatchGuard están diseñados y probados para satisfacer estrictos requisitos de seguridad. Estos requisitos incluyen la homologación de productos de seguridad y otras normas de cumplimiento global. Por favor, lea atentamente las siguientes instrucciones antes de utilizar el producto, y se refieren a ellos como sea necesario para garantizar el funcionamiento seguro y continuo de su producto. Información adicional se puede encontrar en la Guía del usuario electrónica.

Certificación de seguridad del producto

El producto tiene certificación de seguridad WatchGuard bajo las siguientes normas:

- CAN/CSA C 22.2 No. 60950-1-07+A1:2011+A2:2014
- UL 60950-1:2007 R10.14
- IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Advertencia de seguridad

- El cable de alimentación de CA es solo para productos Watchguard y no se puede usar para otros equipos.
- No coloque objetos sobre el cable de alimentación.
- No obstruya las aberturas de ventilación. Estas aberturas evitan el sobrecalentamiento de la máquina.
- Nunca introduzca objetos de ningún tipo en las ranuras o aberturas del equipo. El contacto con puntos de voltaje o el cortocircuito de una pieza podría provocar un incendio o una descarga eléctrica.
- Si el equipo se suministra con un cable de alimentación de CA de tres conductores , el cable de alimentación debe estar conectado a una toma de corriente de tres contactos aprobado con el cable de tierra conectado a un (a tierra de seguridad) planta eléctrica en la toma de corriente.
- Al extraer o instalar un electrodoméstico, siga las instrucciones generales de instalación de seguridad.
- La batería de litio utilizada en el dispositivo de seguridad no podrá ser sustituido por el usuario. Devuelva el aparato a un centro de servicio autorizado de WatchGuard para el reemplazo con el mismo tipo o equivalente recomendada por el fabricante. Si , por cualquier razón , la batería o la seguridad del aparato se debe desechar, hágalo siguiendo las instrucciones del fabricante de la batería.

Hardware Installation

Your Firebox ships with a rack mount kit. It also supports user-installable components. Use the instructions in this chapter to safely install your Firebox and any optional components.

This chapter includes instructions for:

- Rack mount installation
- Interface module installation
- Power supply replacement

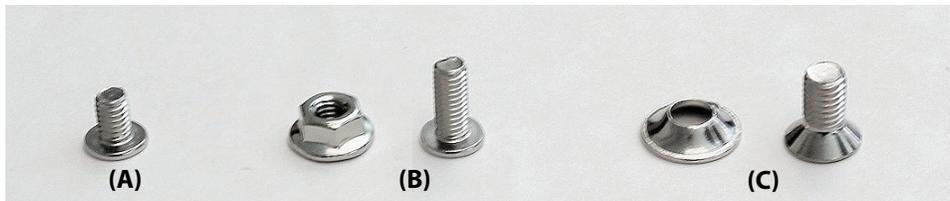
Rack Mount Installation

Each Firebox M4600 ships with rack mount system.



The rack mount system consists of:

- 4 L-shaped brackets
- 2 sliding rails, which can be separated into inner and outer rails
 - The inner rail has an extension safety lock tab
 - The outer rail includes a slide to extend its length. It also has an extension safety lock.
- 8 short flat head screws (A)
- 8 longer flat head screws and 8 nuts (B)
- 12 flat countersink screws and 12 conical washers (C)



- 2 front ear brackets and 6 small screws.



Precautions

When you install the Firebox in a rack, consider these factors:

Elevated Operating Ambient Temperature

If you install the device in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Make sure the ambient temperature of the rack environment is within the certified operating range specified in this Hardware Guide.

Reduced Air Flow

When you install the device in a rack, make sure that the amount of air flow required for safe operation of the equipment is not compromised.

Mechanical Loading

When you mount the device in the rack, avoid hazardous conditions caused by uneven mechanical loading.

Circuit Overloading

Make sure you connect the device to the power supply circuit in such a way that there is no overloading of the circuits, and no impact on overcurrent protection and supply wiring.

Reliable Grounding

Make sure all rack-mounted equipment is correctly grounded. For example, make sure you use power strips instead of direct connections to the branch circuit.



CAUTION:

Do not use your slide/rail mounted device as a shelf or work space.

Rack Mount Installation Instructions

Separate the inner rails from the outer rails

1. Extend the inner rail until it locks.
2. Press the tab in the inner rail, and pull the inner rail from the outer rail until they completely separate.



After the inner and outer rails are separated, they look like this:

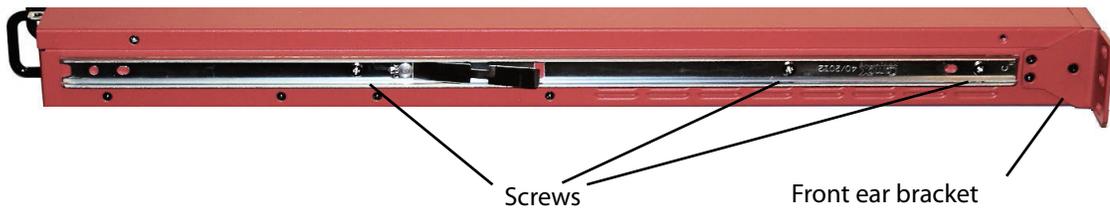


3. Repeat these steps to separate the second inner and outer rail.

Attach the inner rails and front mounting bracket to the Firebox

Use these steps to attach the inner rails and front mounting brackets to the Firebox.

1. Locate the six shorter flat head screws (A), and the front ear brackets and screws.
2. Use three screws provided with the front ear brackets to attach a bracket to the front of the Firebox on one side.
3. Put the inner rail against one side of the Firebox. Make sure that the safety lock tab faces out, and that the notched end of the rail is located toward the rear of the Firebox.
4. Align the screw holes in the rail with the holes on the sides of the Firebox.
5. Attach the inner rail to the Firebox with three of the shorter flat head screws.
6. Repeat these steps to attach the other inner rail and front ear bracket to the other side.



Attach the L-shaped brackets to the outer rails

The four L-shaped brackets secure the outer rails to the rack. You must attach the L-shaped brackets to the outer rails first.

1. Locate the eight flat head screws and the eight nuts (B).
2. Use two flat head screws and two nuts to connect an L-shaped bracket to the outer rail through any two of the four holes at the end of the outer rail. Position each nut on the outside of the bracket, and attach a screw from the inside of the outer rail through the bracket.



3. Do not fully tighten the nuts yet.
4. The outer rail includes a center rail that slides back and forth. Slide the center rail to expose the screw holes at the other end of the rail.



- Use two flat head screws and two nuts to connect a second L-shaped bracket to the other end of the outer rail through any two of the four holes at the end of the outer rail. Position each nut on the outside of the bracket, and attach a screw from the inside of the outer rail through the bracket..



The fully assembled outer rail looks like this:

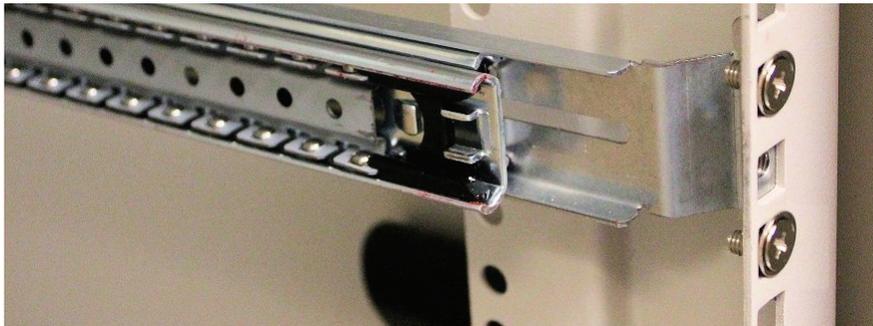


- Do not fully tighten the nuts yet because you will need to adjust the location of the rear bracket to match the depth of your rack.
- Repeat these steps to attach the other two L-shaped brackets to the other outer rail.

Attach the outer rails to the rack

Use this procedure to mount the outer rails to the rack.

- Locate the countersink screws and conical washers (C).
- Use two screws and conical washers to connect the front bracket on the outer rail to the front post of the rack. Make sure that the sliding center rail is located toward the front of the rack and faces the center.



- Extend and adjust the rear bracket depth to match the depth of the rack.
- Use two countersink screws and conical washers to connect the rear bracket to the rear post of the rack.
- Repeat these steps to attach the other rail to the other side of the rack. Make sure the sliding center section of each rail is positioned at the same depth within the rack.
- Tighten the nuts and screws that attach the L-shaped brackets to each of the rails. You might want to use a wrench for this step.

Install the Firebox in the rack

Use these steps to complete installation of the Firebox in the rack.

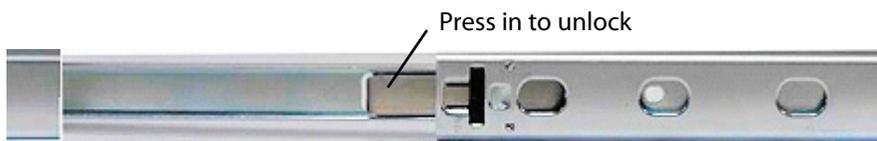
1. Pull out the center rail on each side until the extension safety lock is locked.
2. Hold the Firebox with its front facing you. Lift the Firebox and carefully slide the inner rails on each side of the chassis into the outer rail on each side of the rack.
3. Press the safety lock tabs on the inner rails, and slide the device into the rack until the front mounting brackets touch the front posts of the rack.
4. Use two of the countersink screws (C), without the washers, to attach the front mounting brackets to the rack.

Remove the Firebox from the Rack

The rack mount system includes two sets of safety locks that you must press in order to remove the device from the rack. It could require two people to remove the device from the rack. One safety lock is located on the inner rail. The other safety lock is located on the center rail.

To remove the Firebox from the rack:

1. Remove any screws that attach the mounting bracket to the front of the rack.
2. Slide the device out about half way until the first safety locks catch on each side.
3. Press the metal safety locks on the inner rails on both sides of the device while you pull the device farther out.



4. Continue to slide the device out until the second safety locks catch on each side.
5. Press down the safety locks located on the inside of each center rail while you pull the device farther out.



Slide the device out of the rack.

Interface Module Installation

You can install two additional interface modules in slots A and B of your Firebox. The supported interface modules are described in detail in the Hardware Specifications chapter.



Interface Modules are not hot-swappable. To avoid damage to the system, you must disconnect the Firebox from all power sources before you install or remove an interface module.

Install an Interface Module

To install an interface module:

1. Disconnect both power cables from the Firebox.
2. Loosen the two captive screws on the slot cover.
3. Remove the slot cover to expose the interface slot.
4. Insert the interface module into the slot, and push it firmly into place.
5. Tighten the two captive screws on the interface module to attach the interface to the Firebox.
6. Reconnect the power cables to the Firebox.

The Firebox starts automatically. When the Firebox starts, Fireware automatically detects all installed interfaces.

Remove an Interface Module



Before you remove an installed interface module, make sure that the interfaces on that module are not enabled in the Firebox configuration. You cannot manage a Firebox if an enabled interface has been removed.

To remove an installed interface module:

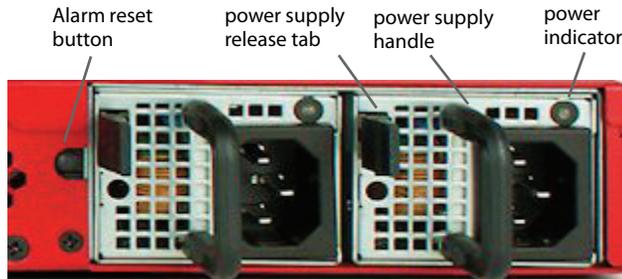
1. Disconnect both power cables from the Firebox.
2. Disconnect all network cables from the installed interface module.
3. Loosen the two screws on the installed interface module.
4. Slide the interface module out of the slot.
5. Place the removed interface module on an antistatic surface, or immediately install it in another slot.
6. Install a slot cover over the empty slot or install another interface module.

The slot cover keeps dust out of the Firebox and promotes necessary air flow through the interface slot.

Power Supply Installation

The Firebox M4600 has two redundant hot-swappable power supplies. If a power supply fails, you can replace it while the Firebox is powered by the other power supply.

Firebox M4600 Power Supplies



To replace a power supply:

1. Use the power indicator to identify the failed power supply. If the device is powered on, the indicator on the failed power supply flashes red after you reset the audible alarm.
2. Disconnect the power cable from the power supply you want to replace.
3. Find the release tab, located on the left side of the power supply.
4. Firmly push the release tab to the right, while you use the power supply handle to pull the power supply out of the slot.
5. Slide the replacement power supply into the open slot.
6. Press firmly on the face of the power supply until it is flush with the back of the Firebox. If the replacement is successful, the power indicator light for the new power supply is green.

You can purchase a replacement power supply from an authorized WatchGuard reseller.

- WatchGuard Firebox M4600 Hot Swap Power Supply — WatchGuard SKU WG8597

Legal and Regulatory Information

Limited Hardware Warranty

This Limited Hardware Warranty (the “Warranty”) applies to the enclosed hardware product, not including any associated software, which is licensed pursuant to a separate end-user license agreement and warranty (the “Product”). BY USING THE PRODUCT, YOU (either an individual or a single entity) AGREE TO THE TERMS HEREOF. If you do not agree to these terms, please return this package, along with proof of purchase, to the authorized dealer from which you purchased it for a full refund. WatchGuard Technologies, Inc. (“WatchGuard”) and you agree as set forth below or on the reverse side of this card, as applicable:

1. LIMITED WARRANTY. WatchGuard warrants that upon delivery and for one (1) year thereafter (the “Warranty Period”): (a) the Product will be free from material defects in materials and workmanship, and (b) the Product, when properly installed and used for its intended purpose and in its intended operating environment, will perform substantially in accordance with WatchGuard applicable specifications.

This warranty does not apply to any Product that has been: (i) altered, repaired or modified by any party other than WatchGuard except for the replacement or inclusion of specified components authorized in, and performed in strict accordance with, documentation provided by WatchGuard; or (ii) damaged or destroyed by force majeure events, accidents, power spikes or similar events, or by any intentional, reckless or negligent acts or omissions of any party. You may have additional warranties with respect to the Product from the manufacturers of Product components. However, you agree not to look to WatchGuard for, and hereby release WatchGuard from any liability for, performance of, enforcement of, or damages or other relief on account of, any such warranties or any breach thereof.

2. REMEDIES. If any Product does not comply with the WatchGuard warranties set forth in Section 1 above, WatchGuard will, following the receipt of the product you claim is defective and at its option, either (a) repair the Product, or (b) replace the Product with a like or similar product; provided, that you will be responsible for returning the Product and for all costs of shipping and handling. Repair or replacement of the Product shall not extend the Warranty Period. Any Product, component, part or other item replaced by WatchGuard becomes the property of WatchGuard. WatchGuard shall not be responsible for return of or damage to any software, firmware, information or data contained in, stored on, or integrated with any returned Products.

3. DISCLAIMER AND RELEASE. THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF WATCHGUARD, AND YOUR REMEDIES, SET FORTH IN PARAGRAPHS 1 AND 2 ABOVE ARE EXCLUSIVE AND IN SUBSTITUTION FOR, AND YOU HEREBY WAIVE, DISCLAIM AND RELEASE ANY AND ALL OTHER WARRANTIES, OBLIGATIONS AND LIABILITIES OF WATCHGUARD AND ALL OTHER RIGHTS, CLAIMS AND REMEDIES YOU MAY HAVE AGAINST WATCHGUARD, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, WITH RESPECT TO ANY NONCONFORMANCE OR DEFECT IN THE PRODUCT (INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ANY IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR USAGE OF TRADE, ANY WARRANTY OF NONINFRINGEMENT, ANY WARRANTY OF UNINTERRUPTED OR ERROR-FREE OPERATION, ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY IN TORT, WHETHER OR NOT ARISING FROM THE NEGLIGENCE (WHETHER ACTIVE, PASSIVE OR IMPUTED) OR FAULT OF WATCHGUARD OR FROM PRODUCT LIABILITY, STRICT LIABILITY OR OTHER THEORY, AND ANY

OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY FOR LOSS OR DAMAGE TO, OR CAUSED BY OR CONTRIBUTED TO BY, THE PRODUCT).

4. LIMITATION AND LIABILITY. WATCHGUARD'S LIABILITY (WHETHER ARISING IN CONTRACT (INCLUDING WARRANTY), TORT (INCLUDING ACTIVE, PASSIVE OR IMPUTED NEGLIGENCE AND STRICT LIABILITY AND FAULT) OR OTHER THEORY) WITH REGARD TO ANY PRODUCT WILL IN NO EVENT EXCEED THE PURCHASE PRICE PAID BY YOU FOR SUCH PRODUCT. THIS SHALL BE TRUE EVEN IN THE EVENT OF THE FAILURE OF ANY AGREED REMEDY. IN NO EVENT WILL WATCHGUARD BE LIABLE TO YOU OR ANY THIRD PARTY (WHETHER ARISING IN CONTRACT (INCLUDING WARRANTY), TORT (INCLUDING ACTIVE, PASSIVE OR IMPUTED NEGLIGENCE AND STRICT LIABILITY AND FAULT) OR OTHER THEORY) FOR COST OF COVER OR FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOSS OF PROFITS, BUSINESS, OR DATA) ARISING OUT OF OR IN CONNECTION WITH THIS WARRANTY OR THE USE OF OR INABILITY TO USE THE PRODUCT, EVEN IF WATCHGUARD HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THIS SHALL BE TRUE EVEN IN THE EVENT OF THE FAILURE OF ANY AGREED REMEDY.

5. MISCELLANEOUS PROVISIONS. This Warranty will be governed by the laws of the state of Washington, U.S.A., without reference to its choice of law rules. The provisions of the 1980 United Nations Convention on Contracts for the International Sales of Goods, as amended, shall not apply. You agree not to directly or indirectly transfer the Product or use of the product or associated documentation to any country to which such transfer would be prohibited by the U.S. Export laws and regulations. If any provision of this Warranty is found to be invalid or unenforceable, then the remainder shall have full force and effect and the invalid provision shall be modified or partially enforced to the maximum extent permitted by law to effectuate the purpose of this Warranty. This is the entire agreement between WatchGuard and you relating to the Product, and supersedes any prior purchase order, communications, advertising or representations concerning the Product AND BY USING THE PRODUCT YOU AGREE TO THESE TERMS. IF THE PRODUCT IS BEING USED BY AN ENTITY, THE INDIVIDUAL INDICATING AGREEMENT TO THESE TERMS BY USING THE PRODUCT REPRESENTS AND WARRANTS THAT (A) SUCH INDIVIDUAL IS DULY AUTHORIZED TO ACCEPT THE WARRANTY ON BEHALF OF THE ENTITY AND TO BIND THE ENTITY TO THE TERMS OF THIS WARRANTY; (B) THE ENTITY HAS THE FULL POWER, CORPORATE OR OTHERWISE, TO ENTER INTO THE WARRANTY AND PERFORM ITS OBLIGATIONS UNDER THE WARRANTY AND; (C) THE WARRANTY AND THE PERFORMANCE OF THE ENTITY'S OBLIGATIONS UNDER THE WARRANTY DO NOT VIOLATE ANY THIRD-PARTY AGREEMENT TO WHICH THE ENTITY IS A PARTY. No change or modification of the Warranty will be valid unless it is in writing and is signed by WatchGuard.

Declaration of Conformity

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):

WatchGuard Models: Firebox M4600
 Hardware Model: CL4AE24

EU Directive(s):

Low Voltage (2006/95/EC)
 Electromagnetic Compatibility (2004/108/EC)
 RoHS(2011/65/EC)
 WEEE Directive 2002/96/EC
 REACH EC 1907/2006

Standard(s):

Safety: EN60950-1:2006+A11:2009+A1+A12:2011+A2:2013
Emission: EN 55022:2010/AC: 2011 ClassA
 FCC Part 15 Subpart B: 2014 ClassA
 ICES-003: Issue 5 2012 ClassA
 CISPR 22: 2008 ClassA
 VCCI V-3/2015.04 ClassA ITE
 AS/NZS CISPR 22.2009+A1:2010 ClassA
 EN 61000-3-2:2014
 EN 61000-3-3:2013
Immunity: EN 55024: 2010
 EN 61000-4-2:2008
 EN 61000-4-3:2006+A1:2007+A2:2010
 EN 61000-4-4:2012
 EN 61000-4-5:2014
 EN 61000-4-6:2013
 EN 61000-4-8:2009
 EN 61000-4-11:2004

Signature:

Laurence Huang



Full Name: Laurence Huang
 Position: Manufacturing Program Manager
 Date: 1 December 2015

CE Notice

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).



FCC Certification



Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.)

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

Industry Canada

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAN ICES- 3(A)/NMB- 3(A) Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Japan VCCI Notice (Class A ITE)

VCCI Notice

この装置は、クラス A 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI Notice

This is a Class A product based on the standard of the Voluntary Control Council for interference by information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions

Taiwan Class A Notice

Taiwan Class A Type Device

警告使用者：這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。
 警示：本電池如果更換不正確會有爆炸的危險，請勿自行更換電池

Taiwan Class A Type Device

Warn users: This Class A product may cause radio interference when used in a residential environment. If this occurs, the user must take appropriate countermeasures.

Mexico Notice

La operación de este equipo está sujeta a las siguientes dos condiciones:

1. es posible que este equipo o dispositivo no cause interferencia perjudicial
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su propia operación no deseada.

Korea Notice

사용자안내문

기종별 A급 기기 (업무용 방송통신기자재)	사용자안내문 이 기기는 업무용 (A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다. 목적으로 합니다
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RoHS Statement

The member states of the European Union approved directive 2002/95/EC, Restrictions of Hazardous Substances ("RoHS directive") that became valid on July 1, 2006. It states that all new electrical and electronic equipment put on the market within the member states must not contain certain hazardous materials. This WatchGuard device complies with the European Union's R0HS directive 2002/95/EC and similar regulations that may be adopted by other countries for European Sales.

WEEE Statement

WEEE is a general set of requirements dictated in the EU Directive 2002/96/EC. This Directive mandated that member EU countries enact regulations governing the Waste of Electrical and Electronic Equipment (WEEE). The Directive, and its individual transpositions into specific country laws and legislation, is aimed at the reduction of WEEE through reuse, recovery, and recycling of WEEE.

WatchGuard is working in partnership with our European Union (EU) distribution partners to ensure that our products are in compliance with the WEEE statutes, and that the recovery of our product per the specific EU country legislative requirements is seamless for our product's end users. If you have a WatchGuard product that is at its end of life and needs to be disposed of, please contact WatchGuard Customer Care Department at:

U.S. Customers: 877.232.3531

International Customers: +1.206.613.0456

WatchGuard is reasonably confident that our products do not contain any substances or hazardous materials presently banned by any legislation, and do not present a risk due to hazardous materials. WEEE recovery professionals should also note that these products do not have any materials that are of particular high value in their individual form.

REACH Certificate of Compliance

The EU chemicals policy REACH (**R**egistration, **E**valuation, **A**uthorization and restriction of **C**hemicals) came into effect on June 1st 2007. REACH is Europe's new chemicals legislation, which is applicable in all 27 EU Member States as well as the EFTA European Economic Area (EEA). REACH creates a new system for gathering information, assessing risks to human health and the environment, and authorizing or restricting the marketing and use of chemicals produced or supplied in the EEA. REACH has an impact on EEA producers and importers of finished products and users of chemicals in the course of industrial or professional activities.

WatchGuard supports the overall REACH objective of improving the protection of human health and the environment and will meet all applicable REACH requirements. WatchGuard is strongly committed to working with our customers and supply chain to define and implement the REACH requirements and ensure a smooth transition to compliance.

One of the REACH requirements is that manufacturers and importers have the duty to register substances they are producing or importing. In accordance with the regulations, the products of WatchGuard do not need to be registered for the following reasons:

1. WatchGuard does not import more than 1 metric ton per year of a substance as defined by REACH.
2. WatchGuard products are non-chemical products that are not designed to release any substance under normal and reasonably predictable application.
3. Our products do not contain the listed substances at more than 0.1% by weight of the whole product/part.

Licensing

Some components of the WatchGuard System Manager software and Fireware OS are distributed with source code covered under one or more third party or open source licenses.

You can find full licensing information in the product documentation on our public web site at www.watchguard.com/help/documentation.

To get the source code covered by this license, contact WatchGuard Technical Support at:

United States or Canada: 877.232.3531

All other countries: +1.360.482.1083

You can download the source code at no charge. If you request the material be sent to you on CD-ROM, there is a \$35 charge for administration and shipping.

