WatchGuard Firebox® T35 & T55

Hardware Guide

Firebox T35, T35-W, T55, T55-W

MS3AE5, MS3AE5W, MS5AE5, MS5AE5W

Copyright and Patent Information

Notice to Users

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® Firebox security appliances deliver unparalleled unified threat management, superior performance, ease of use, and value for your small organization or branch office. Our security subscriptions give you fully integrated protection from spyware, spam, viruses, worms, trojans, web-based exploits, and blended threats. From firewall and VPN protection to secure remote access, WatchGuard Firebox appliances support a broad range of network environments.

This guide introduces the Firebox T35 and T55 RoHS-compliant (lead-free) hardware products. The Firebox T35 and T55 network security appliances are designed for small organizations and branch offices.

Fireware OS

Firebox T35 and T55 support WatchGuard's next generation UTM OS — Fireware® OS. Each Firebox includes Fireware OS 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 T35 or T55 appliance
- *Quick Start Guide*
- AC power adapter (12V/1.25A)
- 1 straight-through Ethernet cable
- 1 power cord (US) or 4 power cords (US, AU, EU, UK)

Hardware Description

Hardware Specifications

	Firebox T35 / T35-W	Firebox T55 / T55-W
Processor	NXP T1024	Intel N3060
Memory:	2 GB	2 GB
Storage:	16 GB mSATA	16 GB mSATA
Power supply	Input Ratings: 100-240VAC, MAX 1.8A@100VAC, 60-50Hz Output Ratings: 54V, Max 64.8W	Input Ratings: 100-240VAC, MAX 1.8A@100VAC, 60-50Hz Output Ratings: 54V, Max 64.8W
Dimensions	D = 205.5mm (8") W =217mm (8.5") H = 48mm (1.8")	D = 205.5mm (8") W =217mm (8.5") H = 48mm (1.8")
Weight	T55 0.88kg: (1.94 U.S. pounds) T55-W 0.9kg: (1.98 U.S. pounds)	T55 0.88kg: (1.94 U.S. pounds) T55-W 0.9kg: (1.98 U.S. pounds)

Interface Specifications

Network interfaces	• 5x 1000Base-TX, RJ45 • Interface 4-PoE supports PoE (Power over Ethernet), compliant with the IEEE 802.3at standard	• 5x 1000Base-TX, RJ45 • Interface 4-PoE supports PoE (Power over Ethernet), compliant with the IEEE 802.3at standard
Radio Type and Frequency Band (TT35-W, T55-W)	• 2.4 GHz 802.11 b/g/n 5 GHz 802.11 a/n/ac	• 2.4 GHz 802.11 b/g/n • 5 GHz 802.11 a/n/ac
I/O interfaces	• 2 USB 2.0 • 1 RJ45 Serial Port	• 2 USB 2.0 • 1 RJ45 Serial Port

Front View

The front panel of the Firebox T55:

Fail Over

The Fail Over indicator is lit when there is a WAN failover from the primary external interface to the backup interface. After the external interface connection fails back to the primary external interface, the indicator is not lit.

WAP

On the Firebox T35-W and T55-W models, the WAP indicator is lit when the appliance is activated as a wireless access point or a wireless client. The color indicates the active wireless radio band.

Indicator	Indicator color	Wireless Band
WAP	Yellow	2.4 GHz radio band
	Green	5 GHz radio band

Network interface status indicators

The Firebox has five network interfaces. There are two status indicators for each interface.

Indicator	Indicator color	Interface Status
1000	Yellow	Link speed: 1000 Mbps
	Blinks (speed of blink increases as the data flow increases)	Data sent and received
10/100	Green	Link speed: 10 Mbps or 100 Mbps
	Blinks (speed of blink increases as the data flow increases)	Data sent and received

Status

The Status indicator is lit when there is a management connection to the device. The Status indicator is lit for 30 seconds after you connect to the device with the Fireware Web UI or the command line interface. It is also lit when the device is polled by WatchGuard System Manager.

Mode

The Mode indicator shows the status of the external network connection. If the device can connect to the external network and send traffic, the indicator is green. The indicator flashes if the device cannot send traffic to the external network.

Attn
> The Attn indicator is yellow when you start the device with the Reset button pressed. For more information, see "Restore Factory Default Settings" on page 6

Power (⏻)
> The power indicator is green when the device is on.

Rear View

Rear panel of the Firebox T55:

Network interfaces
> The Ethernet interfaces have standard RJ45 connectors and support link speeds of 1, 100, or 1000 Mbps.
>
> The Firebox T35 and T55 have five network interfaces. They are labeled 0/WAN, 1/LAN, 2, 3, 4-PoE. The highest numbered interface is a PoE (Power over Ethernet) interface, compliant with the IEEE 802.3at standard.

USB interfaces
> The Firebox T35 and T55 have two USB interfaces. Connect a USB storage device to use for USB backup and restore, or to store a support snapshot. For more information, see the current *Fireware Help*.

Serial port (Console)
> An RJ45 connector for the serial interface. An RJ45 serial cable is not included with the device.

Power switch
> Controls the power supplied to the device. Move the switch to position **1** to power on the device, or position **0** to power it off.

Power input
> An AC power adapter is included with your device. Connect the AC adapter to the device and to a power source. The power supply tip is plus (+) polarity. Use only the supplied AC power adapter.

Reset button
> To reset the device, use the procedure in "Restore Factory Default Settings" on page 6.

AC Power Adapter

The ACpower adapter supplies power for the Firebox. A Firebox shipped outside the U.S. includes four power cables to connect to the AC power adapter. Use the correct power cable for the power source used in your country.

> ⚠ **Caution** ——————————————————————————————————————
>
> Do not connect this power adapter to any other WatchGuard product.

Wall Mounting Plate

The wall mounting plate (available separately) enables you to mount the Firebox on a wall in a good location to increase the wireless range.

To install the wall mounting plate:

1. Place the wall mounting plate horizontally against the wall where you want to install the Firebox.
2. Securely screw the wall mounting plate to the wall with four screws 1/8" (3 mm) wide and at least 3/4" (18 mm) long.
3. Align the two holes on the bottom of the Firebox with the two connection points on the mounting plate.
4. Push the Firebox toward the mounting plate, until the two connection points on the mounting plate are inside the holes on the bottom of the Firebox. Then press firmly down to seat the device on the plate.

To remove the Firebox from the mounting plate, push the Firebox up slightly, and then pull out, to separate the connection points on the mounting plate from the holes on the bottom of the Firebox.

Environmental Requirements

To safely install your Firebox, we recommend that you:

- Install it indoors.
- Put it in a secure area, such as a locked room, to block the device from people who do not have permission to use it
- Connect it to a conditioned power supply to prevent damage from sudden power changes

Other environmental requirements:

Operating temperature	0 – 40°C (32 – 104°F)
Operating relative humidity	5% - 90% Non-condensing
Non-operating temperature	–40 – 70°C (–40 – 158°F)
Non-operating relative humidity	5% – 90% Non-condensing

Restore Factory Default Settings

If you have a problem in your configuration file that you cannot correct, you can restore the factory default settings and start from a new configuration file. For example, if you do not know the administrator account passphrase, or if a power interruption causes damage to the Fireware XTM OS, you can restore the Firebox device to the factory default settings and build your configuration again.

To set the device to the factory default settings:

1. Power off the Firebox.
2. Press and hold the **Reset** button on the back of the Firebox.
3. While you continue to hold the **Reset** button, power on the Firebox.
4. Continue to hold the button until the **Attn** indicator begins to flash. Then release the button. Do not power off the Firebox yet.
5. Wait until the **Attn** indicator stays lit and does not flash.
   This process can take 75 seconds or more.

   You must start the device again before you can connect to it. If you do not, when you try to connect to the device, a web page appears with the message, "Your device is running from a backup copy of firmware." This message also appears if the **Reset** button is stuck in the depressed position. If you continue to see this message, check the **Reset** button and start the device again.
6. Power off the Firebox.
7. Power on the Firebox.
   The Power indicator is lit and the Firebox restarts with factory-default settings.

Safety Notices

Safety Notice

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 C22.2 No.60950-1-07, Second Edition 2014-10
- UL 60950-1, Second Edition 2014-10-14
- IEC 60950-1, 2005+A1:2009+A2:2013
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Safety Warning

- Do not place objects on the power cord.
- Do not obstruct the ventilation openings. These openings prevent overheating of the Firebox.
- Never push objects of any kind into slots or openings on this equipment. If you make contact with a voltage point or short out a part, it can result in fire or electrical shock.
- When removing or installing an appliance, follow the general installation safety instructions provided in this Hardware Guide to avoid injury or damage to the device.
- 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.

Disclaimer

WatchGuard shall not be held liable if the end user alters, modifies, or repairs any WatchGuard hardware appliance.

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 C22.2 No.60950-1-07, Second Edition 2014-10
- UL 60950-1, Second Edition 2014-10-14
- IEC 60950-1, 2005+A1:2009+A2:2013
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Sicherheitshinweis

- Legen Sie keine Gegenstände auf das Netzkabel.
- Verdecken Sie nicht die Lüftungsöffnungen. Diese Öffnungen verhindern eine Überhitzung der Maschine.
- Stecken Sie niemals Gegenstände jeglicher Art in die Schlitze oder Öffnungen des Geräts stecken. Der Kontakt mit einem spannungsführenden Punkt oder das Kurzschließen eines Bauteils kann zu einem Brand oder elektrischen Schlag führen.
- Beim Entfernen oder Installieren eines Gerätes, nach den allgemeinen Installation Sicherheitshinweise.

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/CSAC22.2 No.60950-1-07, Second Edition 2014-10
- UL 60950-1, Second Edition 2014-10-14
- IEC 60950-1, 2005+A1:2009+A2:2013
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Advertencia de seguridad

- 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.
- Al extraer o instalar un electrodoméstico, siga las instrucciones generales de instalaciónde seguridad.

Warranty and Licensing 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:

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

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

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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.