WatchGuard Firebox T45-CW

WatchGuard Firebox T45-CW Network Security Appliance User Manual

Model: WGT49413-US

1. INTRODUCTION

The WatchGuard Firebox T45-CW is a robust network security appliance designed to provide enterprise-grade protection for small office, branch office, and retail environments. This device integrates advanced security features, including a firewall, VPN capabilities, and intrusion prevention, to safeguard your network infrastructure. It is engineered to deliver comprehensive Unified Threat Management (UTM) services in a compact and cost-effective form factor.

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your Firebox T45-CW appliance.

Figure 1.1: Front view of the WatchGuard Firebox T45-CW Network Security Appliance, showcasing its red casing and four external antennas for wireless connectivity.

2. PACKAGE CONTENTS

Before proceeding with the installation, verify that all components are present in the package:

- WatchGuard Firebox T45-CW Appliance
- Power Adapter
- Ethernet Cable
- Quick Start Guide (refer to this manual for detailed instructions)
- Antennas (for Wi-Fi models)

3. SETUP AND INSTALLATION

3.1 Physical Installation

Follow these steps to physically install your Firebox T45-CW appliance:

1. **Positioning:** Place the appliance on a stable, flat surface in a well-ventilated area. Ensure adequate space around the device for airflow.

2. **Connect Antennas:** If your model includes external antennas, carefully screw them into the connectors on the rear of the appliance.

3. **Network Connections:**

   - Connect your internet source (e.g., modem) to the **0/WAN 1/LAN** port using an Ethernet cable.
   - Connect your internal network devices (e.g., switches, computers) to the **LAN** ports (labeled 2, 3, 4) using Ethernet cables.

4. **Power Connection:** Connect the power adapter to the **12VDC** port on the appliance, then plug the adapter into a power outlet.

5. **Power On:** Press the power switch to turn on the appliance. The device will begin its boot sequence.

Figure 3.1: Front and rear view of the WatchGuard Firebox T45 appliance, highlighting the network ports (WAN/LAN), USB ports, reset button, power input, and power switch.

3.2 Initial Configuration

After physical installation, you will need to perform initial configuration. Refer to the WatchGuard documentation portal for detailed steps on accessing the Firebox System Manager (FSM) or Web UI for initial setup. This typically involves connecting a computer directly to a LAN port and navigating to a default IP address.

Important: To activate your Firebox T45-CW and its associated security suite, you must register the product with WatchGuard. If participating in a "Trade Up" program, ensure you follow the specific instructions for retiring your previous appliance as part of the activation process. Retired products are no longer eligible for upgrades, add-on activations, or software downloads.

4. OPERATING THE APPLIANCE

4.1 LED Indicators

The front panel of the Firebox T45-CW features several LED indicators that provide status information about the appliance and its network connections.

LED	Description
Status	Indicates the overall operational status of the appliance (e.g., booting, operational, error).
Attn	Indicates an attention-required state, such as a critical alert or system warning.
Mode	Indicates the current operating mode or configuration state.
Failover	Indicates the status of WAN failover or SD-WAN link status.
2.4GHz / 5GHz	Indicates the activity status of the 2.4 GHz and 5 GHz wireless bands (for Wi-Fi models).
10/100 / 1000	Indicates the link speed of the corresponding Ethernet port.
Ports 0-4	Indicates link activity and status for each Ethernet port.

4.2 Basic Security Suite Features

The Firebox T45-CW with the 3-Year Basic Security Suite License provides a comprehensive set of security services to protect your network:

- **Intrusion Prevention Service (IPS):** Protects against network-based attacks by detecting and blocking malicious traffic.
- **Gateway AntiVirus:** Scans incoming and outgoing traffic for viruses, worms, and other malware at the network perimeter.
- **URL Filtering:** Controls access to websites based on categories, preventing users from visiting malicious or inappropriate

content.

- **Application Control:** Manages and restricts access to specific applications on your network, enhancing security and productivity.
- **Spam Blocking:** Filters out unwanted email (spam) to protect your inboxes from malicious content and clutter.
- **Reputation Lookup:** Leverages cloud-based reputation services to block connections from known malicious IP addresses and domains.

Figure 4.1: An illustration detailing the core components of the Basic Security Suite, including IPS, antivirus, URL filtering, application control, spam blocking, and reputation lookup.

For advanced security features, WatchGuard also offers a Total Security Suite, which includes additional capabilities such as Cloud sandboxing, AI-powered malware protection, DNS filtering, and eXtended Detection and Response (XDR).

Figure 4.2: An illustration outlining the features of the Total Security Suite, which expands upon the Basic Security Suite with advanced threat protection mechanisms.

5. MAINTENANCE

Regular maintenance ensures the optimal performance and security of your Firebox T45-CW appliance.

- **Firmware Updates:** Periodically check for and apply the latest firmware updates from WatchGuard. These updates often include security patches, bug fixes, and new features.
- **Configuration Backups:** Regularly back up your appliance configuration. This allows for quick restoration in case of unexpected issues or hardware replacement.
- **Security Policy Review:** Review your security policies and rules periodically to ensure they remain effective and aligned with your network's needs.
- **Physical Inspection:** Ensure the appliance is free from dust and debris, especially around ventilation areas, to prevent overheating.

6. TROUBLESHOOTING

This section provides guidance for common issues you might encounter.

- **No Power:**

  - Verify the power adapter is securely connected to both the appliance and a working power outlet.
  - Check the power switch on the rear panel.

- **No Network Connectivity:**

  - Check Ethernet cable connections to the WAN and LAN ports.
  - Verify LED indicators for link status and activity.
  - Ensure your internet modem or upstream device is functioning correctly.

- **Slow Performance:**

  - Check network utilization through the management interface.
  - Ensure firmware is up-to-date.
  - Review security policies for any configurations that might be impacting performance.

- **Reset Button:** The reset button on the rear panel can be used to restore the appliance to factory default settings. Use a

paperclip or similar pointed object to press and hold the button for approximately 10 seconds. **Warning:** This will erase all configurations.

For more detailed troubleshooting, consult the WatchGuard knowledge base or contact technical support.

7. SPECIFICATIONS

Key technical specifications for the WatchGuard Firebox T45-CW (Model WGT49413-US):

- **Product Dimensions:** 8 x 8.5 x 1.7 inches
- **Item Weight:** 4.55 pounds (approximately 2.06 kg)
- **Item Model Number:** WGT49413-US
- **Brand:** WatchGuard
- **Model Name:** Firebox T45-CW (Trade up to T45-CW)
- **Special Feature:** WPS (Wi-Fi Protected Setup)
- **Frequency Band Class:** Dual-Band (2.4GHz and 5GHz)
- **Wireless Communication Standard:** 802.11ax (Wi-Fi 6)
- **Compatible Devices:** Internet-connected devices
- **Recommended Uses:** Business environments
- **Connectivity Technology:** Ethernet, Wireless
- **Operating System:** Fireware
- **Firewall Throughput:** Up to 3.94 Gbps
- **Ports:** 5 x 1Gb Ethernet ports
- **VPNs:** Supports up to 30 Branch Office VPNs

8. WARRANTY AND SUPPORT

Your WatchGuard Firebox T45-CW appliance includes standard 24x7 support as part of the Basic Security Suite. For detailed warranty information and terms of service, please refer to the official WatchGuard website or the documentation provided with your purchase.

For technical assistance, product registration, or to access the WatchGuard knowledge base, visit the official WatchGuard support portal.

Note on Trade Up Program: If this appliance was acquired through a WatchGuard Trade Up program, the activation of this new product requires the retirement of an earlier-generation WatchGuard appliance. Once retired, the previous product will no longer be eligible for upgrades, add-on activations, software downloads, or ownership transfer.

Related Documents - **Firebox T45-CW**
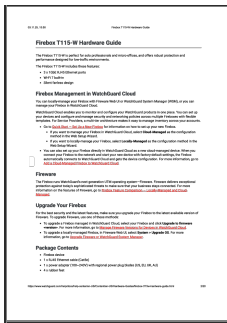
[WatchGuard Firebox T115-W Hardware Guide](#)

This hardware guide provides comprehensive details on the WatchGuard Firebox T115-W, a robust network security appliance designed for solo professionals and micro-offices. Learn about its features, specifications, installation, management options via WatchGuard Cloud or Fireware Web UI, and compliance information.
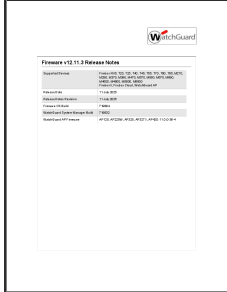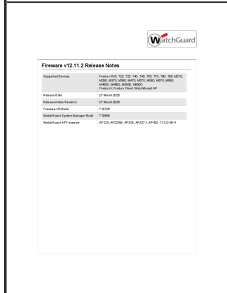
[WatchGuard Fireware v12.11.3 Release Notes](#)

This document provides release notes for WatchGuard Fireware v12.11.3, detailing new features, enhancements, resolved issues, and known issues. It covers supported devices, upgrade procedures, and system requirements.
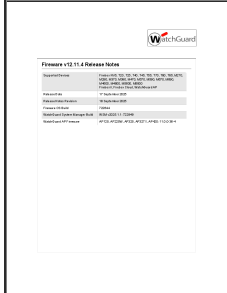
[WatchGuard Fireware v12.11.4 Release Notes](#)

Official release notes for WatchGuard Fireware version 12.11.4, detailing security updates, new features, resolved issues, download instructions, upgrade and downgrade procedures, system requirements, and compatibility information for WatchGuard Firebox devices.

[WatchGuard Fireware v12.11.2 Release Notes - Enhancements, Issues, and Downloads](#)

Official release notes for WatchGuard Fireware v12.11.2, detailing new features, resolved issues, known issues, software download links, upgrade, and downgrade instructions for WatchGuard Firebox devices.

[WatchGuard Firebox M200 / M300 Quick Start Guide](#)

Quick start guide for WatchGuard Firebox M200 and M300 models, covering activation, setup methods (RapidDeploy QuickStart, Classic Activation), basic configuration, next steps, and device status indicators.
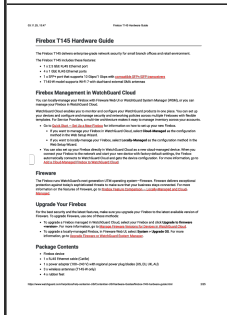
[Firebox T145 Hardware Guide - WatchGuard](#)

Comprehensive hardware guide for the WatchGuard Firebox T145 and T145-W network security appliances, covering specifications, installation, management, and compliance information.