WatchGuard Firebox T85-PoE

WatchGuard Firebox T85-PoE Network Security Appliance Instruction Manual

Model: Firebox T85-PoE (WGT85673-US)

1. INTRODUCTION

This manual provides essential instructions for the WatchGuard Firebox T85-PoE Network Security Appliance. It covers the physical installation, initial setup, operational guidelines, maintenance procedures, and troubleshooting steps to ensure optimal performance and security for your network environment. The Firebox T85-PoE is designed to deliver advanced, comprehensive security with high performance for small and midsize businesses and distributed enterprises.

2. PRODUCT OVERVIEW

The WatchGuard Firebox T85-PoE is a powerful unified threat management (UTM) appliance that integrates multiple security functions into a single device. It offers advanced firewall capabilities, VPN, intrusion prevention, and other security services to protect your network from various threats. The device includes Power over Ethernet (PoE+) ports for powering peripheral devices and an expansion bay for customizable port configurations.

Key Features:

- **High Throughput:** Up to 4.96 Gbps firewall throughput for efficient data processing.
- **Integrated PoE+ Ports:** Two Power over Ethernet Plus ports (PoE+) to power compatible devices directly from the appliance, simplifying deployment.
- **Flexible Connectivity:** Eight 1 Gigabit Ethernet ports and an expansion bay for optional SFP+ fiber or 4G/LTE modules.
- **Comprehensive Security:** Supports the Total Security Suite, including Cloud sandboxing, AI-powered anti-malware, threat correlation, and DNS filtering.
- **Centralized Management:** Managed through WatchGuard Cloud for enhanced network visibility and control.

Physical Components:

Figure 2.1: Front view of the WatchGuard Firebox T85-PoE appliance. This image displays the front panel of the WatchGuard Firebox T85-PoE appliance. It features the WatchGuard logo on the left, 'Firebox T85-PoE' branding on the right, and a series of LED indicators for status, attention, module, mode, and port activity (10/100/1000 Mbps and Failover).
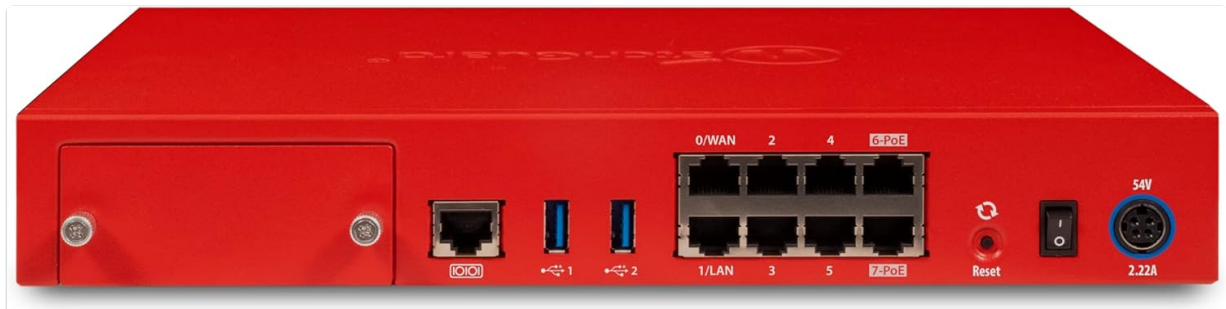

Figure 2.2: Rear view of the WatchGuard Firebox T85-PoE appliance. The rear panel of the WatchGuard Firebox T85-PoE appliance is shown, featuring various ports and controls. From left to right, it includes a console port, two USB 3.0 ports, eight 1 Gigabit Ethernet ports (labeled 0/WAN, 1/LAN, 2-7 PoE), a reset button, a power switch, and a 54V 2.22A power input.

3. SETUP

Follow these steps for the initial setup of your WatchGuard Firebox T85-PoE appliance.

3.1 Unpacking and Inspection

1. Carefully unpack the Firebox T85-PoE appliance and all accessories from the packaging.

2. Inspect the device for any signs of physical damage. If damage is found, contact your reseller or WatchGuard Support immediately.

3. Verify that all components listed in the packing slip are present.

3.2 Physical Installation

1. **Placement:** Position the appliance on a stable, flat surface or mount it in a rack using appropriate mounting hardware (sold separately). Ensure adequate ventilation around the device.

2. **Power Connection:** Connect the provided power adapter to the 54V 2.22A power input on the rear panel of the Firebox and then to a suitable power outlet. Do not power on the device yet.

3. **Network Connections:**
   - Connect your internet service provider's modem or router to the **0/WAN** port.
   - Connect your internal network switch or a management computer to the **1/LAN** port.
   - If using PoE+ devices, connect them to ports **2-7 PoE** as needed.

4. **Console Connection (Optional):** For direct console access, connect a serial cable from your management computer to the console port on the Firebox.

3.3 Initial Power On and Activation

1. After all physical connections are made, switch on the power button on the rear panel.

2. The appliance will begin its boot sequence. Monitor the front panel LEDs for status indications.

3. Access the WatchGuard Cloud portal (www.watchguard.com/cloud) to activate your Firebox T85-PoE and apply your Total Security Suite license. Follow the on-screen instructions for registration and initial configuration.

4. If you are participating in a 'Trade Up' program, ensure your previous WatchGuard appliance is retired as per program guidelines before activating the new T85-PoE.

4. OPERATING INSTRUCTIONS

The WatchGuard Firebox T85-PoE operates as a central point for network security, enforcing policies and protecting against threats. Management and monitoring are primarily performed through WatchGuard Cloud.

4.1 Security Suites Overview

The Firebox T85-PoE supports various security suites, with the Total Security Suite offering the most comprehensive protection.

Figure 4.1: Comparison table of WatchGuard Security Suite features. This image presents a comparison table detailing the features included in WatchGuard's Support, Basic Security, and Total Security Suites. Features listed include Stateful

Firewall, VPN, SD-WAN, Access Portal, Intrusion Prevention Service (IPS), Application Control, Webblocker, SpamBlocker, Gateway AntiVirus, Reputation Enabled Defense, Network Discovery, APT Blocker, Threat Detection & Response, DNSWatch, and IntelligentAV. It also shows WatchGuard Cloud Visibility Data Retention periods and support levels for each suite.

Basic Security Suite: Includes traditional network security services such as Intrusion Prevention System (IPS), antivirus, URL filtering, application control, spam blocking, and reputation lookup.

Total Security Suite: Expands upon the Basic Security Suite by adding advanced features like Cloud sandboxing, AI-powered malware protection, DNS filtering, and eXtended Detection and Response (XDR) for unified network and endpoint protection.

4.2 Network Policy Management

- Use WatchGuard Cloud to define and manage firewall policies, VPN configurations, and security services.
- Configure network zones, user authentication, and content filtering rules to control network access and usage.

4.3 Monitoring and Reporting

- WatchGuard Cloud provides real-time monitoring of network traffic, security events, and appliance status.
- Generate reports to analyze security posture, identify trends, and ensure compliance.

5. MAINTENANCE

Regular maintenance ensures the continued security and optimal performance of your Firebox T85-PoE appliance.

- **Firmware Updates:** Regularly check for and apply the latest firmware updates through WatchGuard Cloud to benefit from new features, security enhancements, and bug fixes.
- **Security Service Updates:** Ensure that all security services (e.g., antivirus, IPS signatures) are kept up-to-date automatically.
- **Configuration Backups:** Periodically back up your appliance configuration to prevent data loss in case of unforeseen issues.
- **Physical Inspection:** Ensure the appliance is free from dust and that ventilation openings are not obstructed.

6. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For more complex problems, refer to the WatchGuard knowledge base or contact support.

6.1 Power Issues

- **No Power:** Verify the power cable is securely connected to both the appliance and the power outlet. Check the power switch position.
- **Power LED Off:** If the power LED is off, try a different power outlet or power adapter.

6.2 Network Connectivity Issues

- **No Internet Access:** Check the cable connection to the 0/WAN port. Verify your internet service provider's status.
- **Internal Network Access:** Ensure cables are properly connected to LAN ports. Check network switch status.
- **LED Indicators:** Observe the port LEDs on the front panel. A solid green or amber light indicates a link, and a blinking light indicates activity. No light suggests a cable or port issue.

6.3 Appliance Not Responding

- **Status LED:** If the status LED indicates an error, consult the WatchGuard documentation for specific error codes.
- **Soft Reset:** Press the reset button on the rear panel briefly to restart the device.
- **Factory Reset:** A factory reset will erase all configurations. Only perform this as a last resort and after backing up your configuration. Refer to WatchGuard documentation for the specific procedure.
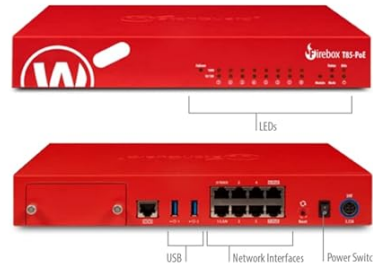
7. SPECIFICATIONS

The following table outlines the key technical specifications for the WatchGuard Firebox T85-PoE Network Security Appliance.

Firebox T85   TECHNICAL SPECIFICATIONS

THROUGHPUT [1]

UTM (full scan) [2]	943 Mbps
Firewall (IMIX)	2.40 Gbps
VPN (IMIX)	680 Mbps
HTTPS Content Inspection (IPS enabled) [3]	576 Mbps
Antivirus	1.53 Gbps
IPS (full scan)	1.28 Gbps
Firewall (UDP 1518)	4.96 Gbps
VPN (UDP 1518)	2.04 Gbps

CAPACITY

Interfaces 10/100/1000	8
I/O interfaces	1 Serial/2 USB
Concurrent connections	3,850,000
Concurrent connections (Proxy)	3,850,000
New connections per second	35,500
VLANs	75
WSM licenses (incl)	0

VPN TUNNELS

Branch Office VPN	60
Mobile VPN	60

SECURITY FEATURES

Firewall	Stateful packet inspection, TLS decryption, proxy firewall
Application proxies	HTTP, HTTPS, FTP, DNS, TCP/UDP, POP3S, SMTPS, IMAPS and Explicit Proxy
Threat protection	DoS attacks, fragmented & malformed packets, blended threats
Filtering options	Browser Safe Search, Google for Business

VPN

Site to Site VPN	IKEv2, IPSec, Policy and Route Based Tunnels, TLS hub and spoke
Remote Access VPN	IKEv2, IPSec, L2TP, TLS

VISIBILITY

Logging and notifications	WatchGuard Cloud & Dimension, Syslog, SNMP v2/v3
Reporting	WatchGuard Cloud includes over 100 pre-defined reports, executive summary and visibility tools

CERTIFICATIONS

Security	Pending: CC, FIPS 140-2
Safety	NRTL/CB
Network	IPv6 Ready Gold (routing)
Hazardous substance control	WEEE, RoHS, REACH

NETWORKING

SD-WAN	Multi-WAN failover, dynamic path selection, jitter/loss/latency measurement
Dynamic Routing	RIP, OSPF, BGP
High Availability	Active/passive, active/active
QoS	802.1Q, DSCP, IP Precedence
Traffic Management	By policy or application
IP address assignment	Static, DHCP (server, client, relay), PPPoE, DynDNS
NAT	Static, dynamic, 1:1, IPSec traversal, policy-based
Link aggregation	802.3ad dynamic, static, active/backup

PHYSICAL AND POWER SPECIFICATIONS

Product Dimensions (W x D x H)	8.09" x 11.41" x 1.7" (205.5mm x 290mm x 43 mm)
Product Weight	5.82 lbs (2.6 kg)
Shipping Dimensions (W x D x H)	14.99" x 12.17" x 4.08" (380.5mm x 309.2mm x 103.7 mm)
Shipping Weight	6.83 lbs (3.1 kg)
Power	90-264 VAC Autosensing
Power Consumption	No PoE: 27 Watts / 2x PoE: 96 Watts
MTBF	1,155,348 hours

ENVIRONMENT	OPERATING	STORAGE
Temperature	32 °F to 104 °F (0 °C to 40 °C)	-40 °F to 158 °F (-40 °C to 70 °C)
Relative Humidity	10% to 85% non-condensing	10% to 85% non-condensing
Altitude	0 to 9,843 ft at 95 °F (0 to 3,000 m at 35 °C)	0 to 15,000 ft at 95 °F (0 to 4,570 m at 35 °C)

STRONG SECURITY AT EVERY LAYER

Uniquely architected to be the industry's smartest, fastest, and most effective network security products, WatchGuard solutions deliver in-depth defenses against advanced malware, ransomware, botnets, trojans, viruses, drive-by downloads, phishing and much more. Total and Basic Security Suite packages are available on all Firebox solutions.

	SUPPORT	BASIC SECURITY	TOTAL SECURITY
Stateful Firewall	✓	✓	✓
VPN	✓	✓	✓
SD-WAN	✓	✓	✓
Access Portal*	✓	✓	✓
Intrusion Prevention Service (IPS)		✓	✓
Application Control		✓	✓
WebBlocker		✓	✓
spamBlocker		✓	✓
Gateway AntiVirus		✓	✓
Reputation Enabled Defense		✓	✓
Network Discovery		✓	✓
APT Blocker			✓
DNSWatch			✓
IntelligentAV**			✓
ThreatSync (XDR)			✓
EDR Core			50
WatchGuard Cloud Visibility Data Retention		1 Day	30 Days
Support	Standard (24 x 7)	Standard (24 x 7)	Gold (24 x 7)

Figure 7.1: Detailed technical specifications for WatchGuard Firebox T85. This image provides a comprehensive table of technical specifications for the WatchGuard Firebox T85. It covers performance metrics like firewall and VPN throughput, UTM and HTTPS inspection, capacity details such as interfaces and concurrent connections, security features including firewall and threat protection, site-to-site and remote access VPNs, visibility and logging, certifications, networking capabilities like SD-WAN and dynamic routing, and physical/environmental specifications including dimensions, weight, power, operating temperature, and humidity.

Category	Specification
Product Dimensions	15.1 x 12.1 x 4.2 inches
Item Weight	7 pounds
Model Number	WGT85673-US
Firewall Throughput	Up to 4.96 Gbps

Category	Specification
Interfaces	8 x 1Gb ports, 2 x USB 3.0, 1 x Console, 1 x Expansion Bay
PoE+ Ports	2 Integrated PoE+ ports
Operating System	Fireware
Connectivity Technology	Ethernet
Recommended Use	Business
Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-40°F to 158°F (-40°C to 70°C)

8. WARRANTY AND SUPPORT

WatchGuard provides comprehensive support for its products. For detailed warranty information, please refer to the official WatchGuard website or your purchase agreement.

8.1 Technical Support
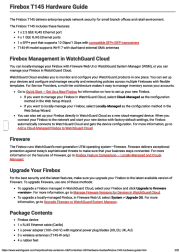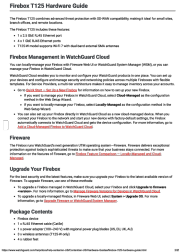
If you encounter issues that cannot be resolved using the troubleshooting steps in this manual, please contact WatchGuard Technical Support. Ensure you have your product serial number and a description of the issue ready.
Visit the WatchGuard Support Center at www.watchguard.com/support for access to documentation, knowledge base articles, and support contact information.

8.2 Trade Up Program Information

This product may be part of a 'Trade Up' program. To activate Trade Up products, the owner must retire an earlier generation WatchGuard appliance. A retired product will no longer appear among your managed products, cannot receive upgrades or add-on activations, and its ownership cannot be transferred. For full details on the Trade Up program, consult WatchGuard's official program terms and conditions.

Related Documents - Firebox T85-PoE

[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.

[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 Trade Up Program: Upgrade Your Network Security](#)
Learn about the WatchGuard Trade Up Program, offering discounts of up to 25% on new WatchGuard appliances by trading in eligible older models. Includes eligibility charts and terms for hardware, virtual, and cloud appliances.

[WatchGuard Firebox T125 Hardware Guide: Features, Specifications, and Installation](#)
A comprehensive hardware guide for the WatchGuard Firebox T125 and T125-W network security appliances. This document details specifications, management options, installation procedures, safety warnings, and regulatory compliance information.

[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 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.
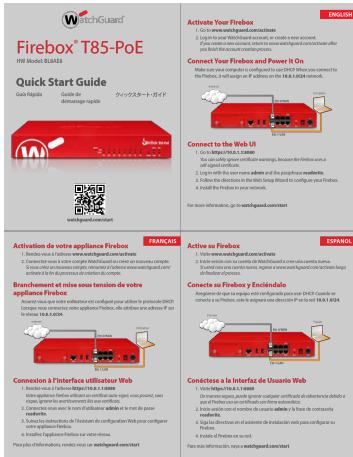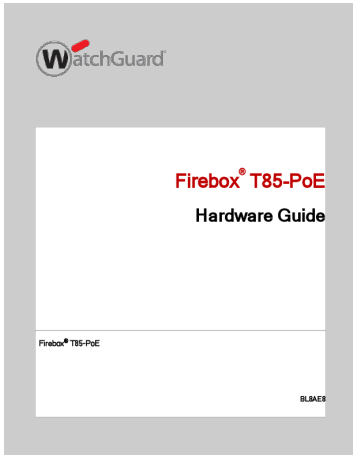
Documents - WatchGuard – Firebox T85-PoE

[pdf] Quick Start Guide Installation Guide Guide

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[pdf] Documentation Guide

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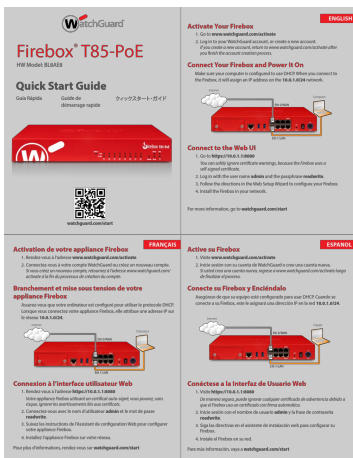
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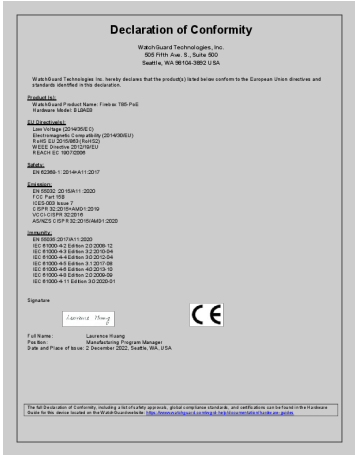
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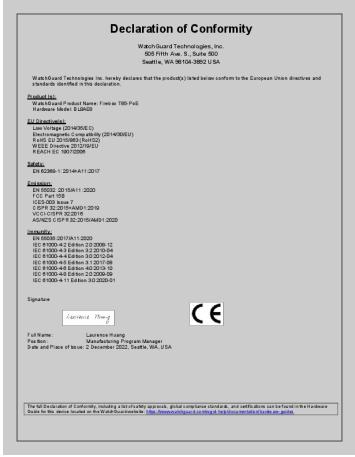
Declaration of Conformity WatchGuard Technologies, Inc. 505 Fifth Ave. S., Suite 500 Seattle, WA 981 ... nion directives and standards identified in this declaration. Product s : WatchGuard Product Name: Firebox T85-PoE Hardware Model: BL8AE8 EU Directive s : Low Voltage 2014/35/EC Electromagnetic Com...

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Declaration of Conformity WatchGuard Technologies, Inc. 505 Fifth Ave. S., Suite 500 Seattle, WA 981 ... nion directives and standards identified in this declaration. Product s : WatchGuard Product Name: Firebox T85-PoE Hardware Model: BL8AE8 EU Directive s : Low Voltage 2014/35/EC Electromagnetic Com...

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[pdf] User Manual Datasheet

Datasheet Firebox T85 German WatchGuard Technologies watchguard firebox t85 poe tss 3j datenblatt 1 media bechtle asrc 180712 1c4b3d4ee288fc9434f5175bf56070570 c3 0dd616dc8ba0451fabf5b926087a0d4f |||

DATENBLAT T FIREBOX T85 Firewall-Datendurchsatz von bis zu 4,96 Gbit/s, 8 x 1-Gbit/s-Ports, 60 Zweigstellen-VPNs HCHSTE SICHERHEIT, DIE MIT DER ENTWICKLUNG IHRES NETZWERKS SCHRITT HLT Unternehmen sind heutzutage auf schnelle und verlssliche Internetverbindungen angewiesen. Die Suche nach Sicherhei...

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WatchGuard

Introduction

By participating in the **WatchGuard Trade Up Program**, you ensure your network is protected by the latest security, reliability, and performance – without hurting your bottom line. This Trade Up Program is available to current WatchGuard customers.

Details

Trade an earlier-generation WatchGuard appliance and move up to a new WatchGuard solution at up to 25% off the standard purchase price. The program includes options to trade up to a physical or virtual appliance.

The owner must retire an earlier-generation WatchGuard appliance to activate Trade Up products. By retiring a WatchGuard product, it no longer appears among your managed products; it is incapable of upgrades, add-on activation, or software downloads, and ownership cannot be transferred.

Not all devices are eligible for all Trade Up appliances. The eligibility charts list all eligible WatchGuard devices. Appliances purchased through WatchGuard's HA (High Availability) promotion are not eligible for trade up.

How to Purchase a WatchGuard Trade Up Product

If you have an eligible product you would like to trade, simply purchase the unique Trade Up SKU corresponding to that product. Trade Up SKUs are available through any authorized WatchGuard reseller. The discount of up to 25% is built into the price, so you see the savings instantly.

Activating Trade Up Products

During product activation, you are required to identify the product to be replaced within your account. To verify that the device you wish to replace is active and registered to the correct account, log in to your WatchGuard support account. Under the *Manage Products* heading, go to *Your Products*.

Once the trade-up eligible device has been identified, it will be retired, and the new box will become active.

- The retired product will be removed from the customer's support account.
- The retired product will not be eligible for upgrades, support, or software updates.
- Feature keys are not available for retired products.
- Retired products cannot change ownership and should never be sold to another party.

WatchGuard reserves the right to deactivate a new Trade Up product if the Trade Up product is determined to have been activated in violation of the Trade Up Program's Terms and Conditions.

Not a current WatchGuard customer?

There are many reasons to look at upgrading your current security firewall. Now, trading in a competitor's appliance for the award-winning technology from WatchGuard couldn't be easier. Whether your network calls for a next-generation firewall or full UTM security, WatchGuard offers physical and virtual solutions to meet your needs now and in the future. And with special pricing, why wait? Find out more about WatchGuard's Red Instead trade in program here.