WatchGuard T145

WatchGuard Firebox T145 User Manual

Enterprise-Grade Network Security for Branch Locations

Overview   Setup   Operation   Maintenance   Troubleshooting   Specifications   Warranty & Support

1. PRODUCT OVERVIEW

The WatchGuard Firebox T145 is a tabletop firewall designed to provide enterprise-grade network security for small branch offices and retail environments. This compact and affordable solution integrates advanced security features, including AI-powered anti-malware, threat correlation, and DNS filtering. It supports high throughput with a blend of 2.5Gb, 1Gb, and SFP/SFP+ ports, ensuring robust network defense.

All logging and reporting functions are included, offering over 100 dashboards and reports, including those for PCI and HIPAA compliance. The Firebox T145 is engineered for quick deployment and superior performance, featuring AI-driven threat detection for modern network environments.

Image 1.1: Front view of the WatchGuard Firebox T145 tabletop firewall.

Image 1.2: The compact WatchGuard Firebox T145 device held in a hand, illustrating its small form factor.

2. SETUP AND INSTALLATION

This section guides you through the initial setup of your WatchGuard Firebox T145. The device supports zero-touch deployment for simplified installation.

2.1 Package Contents

Verify that all components are present in your package:

- WatchGuard Firebox T145 appliance
- Power adapter
- Ethernet cable
- Quick Start Guide (refer to this manual for detailed instructions)

2.2 Connecting the Device

Follow these steps to connect your Firebox T145:

1. **Power Connection:** Connect the power adapter to the 12VDC input on the rear panel of the Firebox T145 and then to a power outlet.
2. **Network Connections:**

   - Connect your internet service provider's modem or router to the 0/WAN 1/LAN port (often labeled as WAN) using an Ethernet cable.
   - Connect your internal network devices (switches, computers) to the LAN ports (1-4) using Ethernet cables.
   - Utilize the 2.5GbE, 1GbE, or SFP/SFP+ ports for high-speed connections as required by your network infrastructure.

3. **USB Ports:** The device includes USB 3.2 ports for potential future expansion or specific configurations.
4. **Power On:** Flip the power switch on the rear panel to the ON position. The front panel LEDs will illuminate to indicate device status.
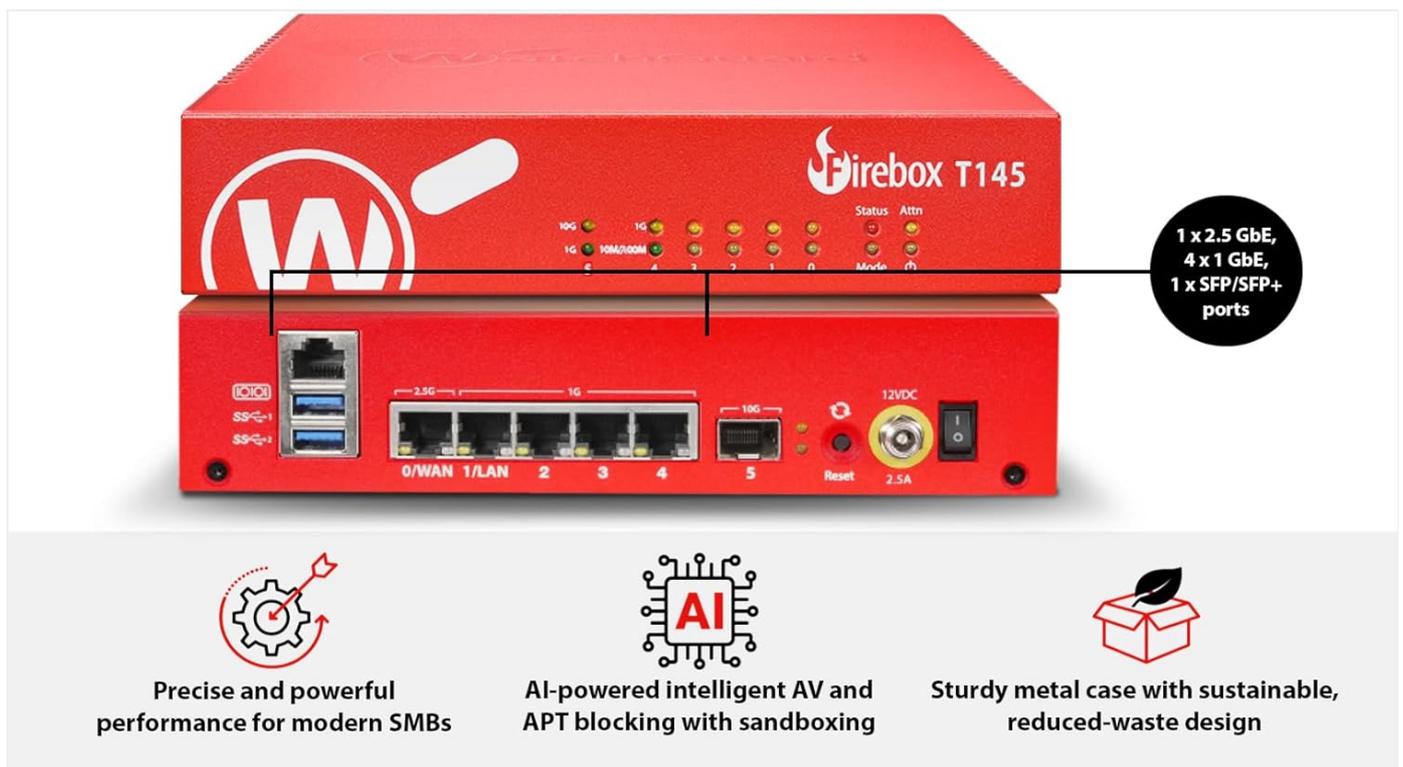

Image 2.1: Detailed view of the WatchGuard Firebox T145 showing front panel LEDs and rear panel ports including 2.5GbE, 1GbE, SFP/SFP+ ports, USB, and power input.

Image 2.2: Rear panel of the Firebox T145, highlighting the various connectivity options such as USB, 2.5 Gbps interface, 1 Gbps interfaces, 10 Gbps interface (SFP/SFP+), and power input.

2.3 Zero-Touch Deployment

The Firebox T145 supports zero-touch deployment, allowing for remote configuration and activation without requiring on-site technical personnel. This feature streamlines deployment for distributed environments.

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Video 2.1: WatchGuard T145 Product Overview. This video demonstrates key features including zero-touch deployment, management options, and physical interfaces of the Firebox T145.

3. OPERATION AND SECURITY FEATURES

The Firebox T145 provides comprehensive security and network management capabilities.

3.1 Security Suites

The Firebox T145 is available with different security suites to match your organizational needs:

- **Basic Security Suite:** Includes intrusion prevention, gateway antivirus, URL filtering, and spam blocking. These core protections are managed through WatchGuard Cloud.
- **Total Security Suite (Upgrade Option):** Adds AI-powered malware detection, cloud sandboxing, DNS filtering, and advanced threat correlation for enhanced protection.

	Standard 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			✓

WatchGuard Cloud
   Log Data Retention
   Report Data Retention
		90 Days
		1 Day
			365 Days
			30 Days

Support	Standard (24 x 7)	Standard (24 x 7)	Gold (24 x 7)

*Not available on Firebox T115-W, T25/T25-W, or T35-R.
 Total Security Suite required for M295, M395, M495, M595, M695, FireboxV and Firebox Cloud.

Image 3.1: Comparison table detailing features included in Standard Support, Basic Security, and Total Security suites for WatchGuard Firebox devices.

3.2 Network Adaptation (SD-WAN)

The device supports SD-WAN network adaptation, enabling flexible VPN topologies for hub-and-spoke or mesh designs, optimizing network performance and reliability across multiple locations.

3.3 Performance

The Firebox T145 offers robust performance for demanding network environments:

- UTM throughput up to 710 Mbps with inspection enabled.
- Firewall Throughput (IMIX): 1.34 Gbps.
- IPS Throughput (full scan): 1.03 Gbps.
- VPN Throughput (IMIX): 680 Mbps.
- HTTPS (IPS enabled, full scan): 380 Mbps.

4. MAINTENANCE AND MONITORING

Effective maintenance and monitoring are crucial for maintaining optimal security and performance of your Firebox T145.

4.1 WatchGuard Cloud Management

The Firebox T145 can be managed locally or through WatchGuard Cloud. WatchGuard Cloud provides centralized management, monitoring, and reporting capabilities, simplifying the administration of your security infrastructure.

4.2 Logging and Reporting

The device includes comprehensive logging and reporting functions, offering over 100 dashboards and reports. These reports are essential for compliance (e.g., PCI, HIPAA) and for gaining insights into network activity and security events.

- Log Data Retention: 90 Days (Basic Security), 365 Days (Total Security).
- Report Data Retention: 1 Day (Basic Security), 30 Days (Total Security).

5. TROUBLESHOOTING

This section provides general guidance for common issues. For detailed troubleshooting, refer to the WatchGuard support documentation or contact technical support.

5.1 Common Issues and Solutions

- **No Power:** Ensure the power adapter is securely connected to the device and a working power outlet. Check the power switch on the rear panel.
- **No Network Connectivity:** Verify all Ethernet and SFP/SFP+ cables are properly connected. Check the status LEDs on the front panel for port activity and link status. Confirm your internet service is active.
- **Slow Performance:** Review your security policies and ensure they are optimized. Check the WatchGuard Cloud dashboards for any high-resource usage or active threats.
- **LED Indicators:** Refer to the device's LED status guide (usually found in the full product manual) to interpret the meaning of different light patterns, which can indicate operational status or errors.

5.2 Resetting the Device

A reset button is located on the rear panel. Pressing this button can restore the device to factory default settings**Caution:** Performing a factory reset will erase all configurations. Only perform this action if instructed by WatchGuard support or if you have a backup of your configuration.

6. TECHNICAL SPECIFICATIONS

Key technical specifications for the WatchGuard Firebox T145 (WGT145031):

Feature	Detail
Model Number	T145
Network Interfaces	1 x 2.5 GbE, 4 x 1 GbE, 1 x SFP/SFP+
I/O Interfaces	1 Serial, 2 x USB-A 3.2
Operating System	Fireware
Firewall Throughput (IMIX)	1.34 Gbps
IPS Throughput (full scan)	1.03 Gbps
VPN Throughput (IMIX)	680 Mbps
HTTPS (IPS enabled, full scan)	380 Mbps
RAM	4GB
Dimensions (H x W x D)	1.7" x 9" x 8.25" (44 x 230 x 210 mm)

Feature	Detail
Item Weight	3.75 pounds

WatchGuard T145/W Specifications

IPS Throughput (full scan)	1.03 Gbps
Firewall Throughput (IMIX)	1.34 Gbps
VPN Throughput (IMIX)	680 Mbps
HTTPS (IPS enabled, full scan)	380 Mbps
Network Interfaces	1 x 2.5 GbE, 4 x 1 GbE, 1 x SFP/SFP+
I/O interfaces	1 Serial/2 USB-A 3.2

Image 6.1: Table summarizing key performance specifications for the WatchGuard T145/W, including throughput rates and network interfaces.

7. WARRANTY AND SUPPORT

7.1 Product Warranty

For detailed information regarding the product warranty, please refer to the official WatchGuard website or the warranty documentation included with your purchase. WatchGuard offers various protection plans, such as 4-Year Protection Plan and Complete Protect, which may extend coverage beyond the standard warranty.

7.2 Technical Support

WatchGuard provides comprehensive technical support for its products. You can access support resources through the WatchGuard Cloud platform or by contacting WatchGuard's customer service. Many issues can be resolved by consulting the extensive documentation available online or by engaging with trusted MSP experts.