Sonicwall TZ105

Sonicwall TZ105 UTM Secure Firewall Appliance User Manual

Model: 01-SSC-6942

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1. PRODUCT OVERVIEW

The Sonicwall TZ105 is a Unified Threat Management (UTM) firewall designed for small offices, home offices, and small retail environments. It provides intrusion prevention, anti-malware, and content/URL filtering capabilities. The TZ105 supports mobile platforms and performs deep packet inspection (DPI) to maintain network performance while enhancing security.

Figure 1.1: Front view of the Sonicwall TZ105 UTM Secure Firewall Appliance. This image displays the device's top and front panels, highlighting the Sonicwall branding and status indicators.

2. INITIAL SETUP

2.1 Unpacking and Contents

Carefully unpack the Sonicwall TZ105 and verify that all components are present.

- Sonicwall TZ105 Appliance
- Power Adapter
- Quick Start Guide
- Ethernet Cable

2.2 Physical Installation

Place the appliance on a stable, flat surface with adequate ventilation. Connect the necessary cables as described below.

1. Connect your internet source (e.g., modem) to the **WAN** port (X1) on the Sonicwall TZ105 using an Ethernet cable.
2. Connect a computer or network switch to one of the **LAN** ports (X0, X2, X3, X4) using an Ethernet cable.
3. For initial configuration, you may use the **Console** port with a serial cable (not included) to connect to a computer.

Figure 2.1: Rear view of the Sonicwall TZ105, showing the console port, LAN (X0, X2, X3, X4) and WAN (X1) Ethernet ports, and the power input. This image illustrates the connectivity options for network integration.

2.3 Powering On

Connect the power adapter to the **12V === 1.5A 18W** power input on the rear of the appliance, then plug the adapter into an electrical outlet. The device will begin its startup sequence.

3. OPERATION

3.1 Basic Configuration

After powering on, access the device's web management interface by opening a web browser on a connected computer and entering the default IP address (refer to the Quick Start Guide for the specific default IP). Follow the on-screen prompts to complete the initial configuration, including setting up network parameters and administrative credentials.

3.2 Key Features

The Sonicwall TZ105 offers a range of security and networking features:

- **Firewall Protection:** Includes remote access authentication, content filtering, malware protection, URL filtering, web content filtering, deep inspection firewall, reassembly-free deep packet inspection, gateway

antivirus, anti-spyware, Denial of Service (DoS) and Distributed Denial of Service (DDoS) protection, egress filtering, cookies blocking, and dead peer detection.

- **Encryption Standards:** Supports DES, 3DES, AES (128-bit, 142-bit, 256-bit), SHA-1, and MD5 for secure communications.
- **Network Features:** Intrusion Prevention System (IPS), Network Address Translation (NAT), Port Address Translation (PAT), IPSec NAT Traversal, 5 RJ-45 network ports (Fast Ethernet, 10/100Base-TX).
- **Virtualization Capabilities:** Supports up to 8000 maximum UTM/DPI connections, 8000 maximum connections, 1000 new connections per second, 1 SonicPoint, 5 site-to-site VPN tunnels, and 5 VLANs.

4. MAINTENANCE

Regular maintenance ensures optimal performance and security for your Sonicwall TZ105.

- **Firmware Updates:** Periodically check the Sonicwall support portal for the latest firmware updates. Applying updates helps maintain security and introduces new features or bug fixes.
- **Configuration Backups:** Regularly back up your device configuration. This allows for quick restoration in case of unexpected issues or misconfigurations.
- **Physical Inspection:** Ensure the device is free from dust and has adequate airflow to prevent overheating.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Sonicwall TZ105.

- **No Internet Connectivity:**

  - Verify that the WAN cable is securely connected to the correct port (X1) and that your modem is operational.
  - Check the status lights on the front panel for WAN activity.
  - Ensure your internet service provider (ISP) connection is active.
  - Restart the modem and the Sonicwall TZ105.

- **Cannot Access Web Management Interface:**

  - Confirm your computer is connected to a LAN port (X0, X2, X3, X4) and has obtained an IP address from the Sonicwall.
  - Ensure you are using the correct IP address for the management interface.
  - Try clearing your browser's cache or using a different browser.

- **Slow Network Performance:**

  - Check for high network traffic or active security scans that might be consuming resources.
  - Ensure the device's firmware is up to date.
  - Review your security policies to ensure they are optimized for your network environment.

6. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	Sonicwall
Model Number	01-SSC-6942
Series	TZ105 UTM Secure Firewall Appliance

Feature	Detail
Operating System	SonicOS
Item Weight	12 ounces
Product Dimensions (LxWxH)	5.6 x 7.5 x 1.4 inches
Color	Black
Voltage	12 Volts
Flash Memory	32 MB
Standard Memory	256 MB
Connectivity Technology	Ethernet, USB
Network Ports	5 x RJ-45 (10/100Base-TX Fast Ethernet)
Management Port	Console Port
Max UTM/DPI Connections	8000
New Connections/Sec	1000
Site-to-Site VPN Tunnels	5
VLANs Supported	5
Antenna Type	Internal
Included Components	Power Adapter, Quick Start Guide, Ethernet Cable

7. WARRANTY INFORMATION

Specific warranty terms for the Sonicwall TZ105 (Model 01-SSC-6942) are typically provided at the time of purchase or can be found on the official Sonicwall website. It is recommended to register your product to ensure full warranty coverage and access to support services. Please retain your proof of purchase for warranty claims. Note that firmware updates and advanced support services may require an active subscription or separate purchase after an initial period.

8. TECHNICAL SUPPORT

For technical assistance, product documentation, and software downloads, please visit the official Sonicwall support portal. You may need your product serial number to access certain resources or to contact support personnel.

Online Resources: www.sonicwall.com/support

Before contacting support, it is advisable to review the troubleshooting section of this manual and the online knowledge base for potential solutions to your issue.

Related Documents - TZ105

[SonicWall Network Security Gen 8 and Management Platform Order Guide](#)
An official order guide for SonicWall's Gen 8 Next-Generation Firewalls (NGFWs) and Management Platform, detailing purpose, audience, overview, licensing options, purchase options, upgrades, renewals, and company information.

[SonicWall NSa 2700 Power Supply Installation and Replacement Guide](#)
Detailed instructions for installing and removing the power supply unit for the SonicWall NSa 2700 network security appliance, including safety warnings and multilingual guidance.

[SonicOS 8 Cloud Secure Edge Feature Guide](#)
A comprehensive guide to SonicWall Cloud Secure Edge (CSE) for SonicOS 8, detailing its features, activation, configuration, deployment, and use cases for zero-trust network access and security.

[SonicWall TZ270, TZ370, TZ470](#)
SonicWall TZ270, TZ370, TZ470 , / , , , SonicExpress

[SonicWall Network Security Manager on KVM: Getting Started Guide](#)
This Getting Started Guide from SonicWall details the deployment of Network Security Manager (NSM) on KVM. Learn about system requirements, supported firewalls, and step-by-step installation procedures for virtual machine deployment using command-line or virt-manager.

[SonicWall SMA 210/410 Deployment Guide: Secure Remote Access Configuration](#)
Comprehensive guide for deploying SonicWall Secure Mobile Access (SMA) 210/410 appliances, covering various network scenarios like new DMZ, existing DMZ, and LAN deployments, with detailed configuration steps and troubleshooting.