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> SonicWall TZ Series (Gen 7) TZ670 Security Appliance User Manual

Sonicwall TZ670

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INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your SonicWall TZ Series (Gen 7) TZ670 security appliance. The TZ670 is designed to deliver robust network security and connectivity for various environments.

PRODUCT OVERVIEW

The SonicWall TZ670 is a high-performance security appliance offering advanced threat protection and flexible networking capabilities. Key features include:

- Support for 500,000 authenticated users and 2,500 VPN tunnels.
- Management of up to 256 access points.
- Comprehensive protection with Stateful Packet Inspection, DoS attack prevention, and Deep Packet Inspection.
- Multiple interfaces including Gigabit Ethernet, USB 3.0, and SFP+ connections.
- High firewall throughput of 800 Mbps and IPS throughput of 5 Gbps.
- Remote management via SNMP, SSH, HTTP, and HTTPS.

PHYSICAL COMPONENTS

Below is an image illustrating the front panel of the SonicWall TZ670, highlighting its various ports and indicators.



Figure 1: Front Panel of SonicWall TZ670

This image displays the front panel of the SonicWall TZ670. From left to right, it features the SonicWall logo and TZ670 model number. To the right of the branding are two blue USB 3.0 ports (labeled U0) and several LED indicators for power, status, and alerts (O1, O2, wrench, lock icons). Further to the right are a series of Ethernet ports (X0-X9), with X0 designated for LAN/WAN/MGMT, and X8/X9 supporting 10/5/2.5G speeds. On the far right, there are indicators for 5G/LTE connectivity and a WWAN port (U0).

SETUP INSTRUCTIONS

- Unpack the Appliance:** Carefully remove the TZ670 from its packaging. Ensure all components are present.
- Physical Placement:** Place the appliance on a stable, flat surface or mount it in a rack. Ensure adequate ventilation around the device.
- Connect Power:** Connect the power adapter to the appliance and then to a power outlet. The power LED should illuminate.
- Network Connections:**
 - Connect your internet service provider's modem/router to the designated WAN port (e.g., X1).
 - Connect your internal network devices (switches, computers) to the LAN ports (e.g., X0, X2-X7).
 - The X0 port can also be used for management (MGMT).
 - Utilize SFP+ ports for high-speed fiber connections if required.
 - USB 3.0 ports (U0) can be used for external storage or 5G/LTE/WWAN modems.
- Initial Configuration:** Access the appliance's management interface via a web browser using its default IP address. Refer to the Quick Start Guide for initial login credentials and network settings.

OPERATING INSTRUCTIONS

Once the SonicWall TZ670 is set up, it operates continuously to protect your network. Key operational aspects include:

- Firewall Protection:** The appliance actively inspects network traffic using Stateful Packet Inspection to block unauthorized access and malicious data.
- Threat Prevention:** Deep Packet Inspection and DoS attack prevention mechanisms work to identify and mitigate advanced threats.
- VPN Connectivity:** Secure VPN tunnels can be established for remote access and site-to-site connections, supporting up to 2,500 tunnels simultaneously.
- Wireless Management:** The TZ670 can manage up to 256 wireless access points, providing centralized control over your wireless network.
- Performance Monitoring:** Monitor network throughput, which can reach 800 Mbps for firewall and 5 Gbps for IPS, to ensure optimal performance.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your SonicWall TZ670.

- **Firmware Updates:** Periodically check the SonicWall support portal for the latest firmware updates. Applying updates ensures you have the most current security features and bug fixes.
- **Configuration Backups:** Regularly back up your appliance configuration settings. This allows for quick restoration in case of an issue.
- **System Monitoring:** Utilize the remote management capabilities (SNMP, SSH, HTTP, HTTPS) to monitor system health, logs, and security alerts.
- **Physical Inspection:** Ensure the appliance is free from dust and that ventilation openings are not obstructed.

TROUBLESHOOTING

If you encounter issues with your SonicWall TZ670, consider the following troubleshooting steps:

- **No Power:**
 - Verify the power cable is securely connected to both the appliance and the power outlet.
 - Check if the power outlet is functional.
- **Network Connectivity Issues:**
 - Ensure all Ethernet cables are properly seated in their respective ports.
 - Check the status LEDs on the front panel for port activity and link status.
 - Verify network configurations in the management interface.
- **Slow Performance:**
 - Review system logs for any errors or high resource utilization.
 - Ensure the appliance firmware is up to date.
 - Check for excessive traffic or potential attacks that might be consuming resources.
- **Management Access Failure:**
 - Confirm the correct IP address and port are being used.
 - Ensure your computer is on the same network segment or has a valid route to the appliance.
 - Try accessing via a different protocol (e.g., SSH if HTTP/HTTPS fails).

If issues persist, consult the comprehensive SonicWall support documentation or contact technical support.

SPECIFICATIONS

Feature	Detail
Model Number	03-SSC-1379 TZ670
Firewall Throughput	800 Mbps
IPS Throughput	5 Gbps
Authenticated Users	Up to 500,000
VPN Tunnels	Up to 2,500
Manageable Access Points	Up to 256

Feature	Detail
Interfaces	6 (Gigabit Ethernet, USB 3.0, SFP+)
Security Features	Stateful Packet Inspection, DoS Prevention, Deep Packet Inspection
Management Protocols	SNMP, SSH, HTTP, HTTPS
Item Weight	5 pounds
Package Dimensions	15 x 9 x 3 inches

WARRANTY INFORMATION

The SonicWall TZ670 security appliance includes a 3-year Essential Protection Service Suite. For detailed terms and conditions of your warranty and service suite, please refer to the documentation provided with your purchase or visit the official SonicWall website.

SUPPORT

For further assistance, technical support, or to access additional resources such as knowledge base articles and software downloads, please visit the official SonicWall support website. Ensure you have your product's serial number available when contacting support.

Note: Product specifications and features are subject to change without notice. Always refer to the latest documentation on the manufacturer's website for the most up-to-date information.

