

SonicWall® NSA 2650/3650

Quick Start Guide

Regulatory Model Numbers:
1RK38-0C8 NSA 2650
1RK38-0C7 NSA 3650



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Legend

- WARNING:** A WARNING icon indicates a potential for property damage, personal injury, or death.
- CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.
- IMPORTANT, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.

To access the Support Portal, go to <https://www.sonicwall.com/support>.

NSA 2650/3650 Quick Start Guide
Updated - February 2018
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1 About this Guide

This *SonicWall® NSA 2650/3650 Quick Start Guide* provides instructions for basic installation and configuration of the SonicWall NSA 2650/3650 appliances.

NOTE: Be sure to review these instructions, as the process has changed.

Topics:

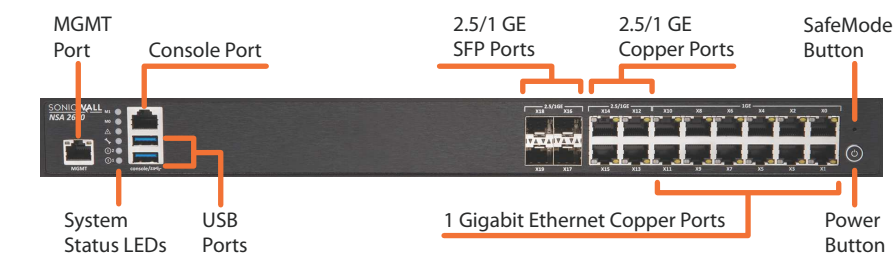
- NSA 2650/3650 Hardware Overview
- Checking Package Contents
- Determining the WAN Type
- System Requirements
- SonicWall NSA LED Activity
- Connecting and Powering On
- Using the Setup Wizard
- Connecting the LAN and WAN Interfaces
- Testing and Troubleshooting Connectivity
- Registering the Appliance
- Upgrading to the Latest Firmware
- Licensing Services
- Safety and Regulatory Information

2 NSA 2650/3650 Hardware Overview

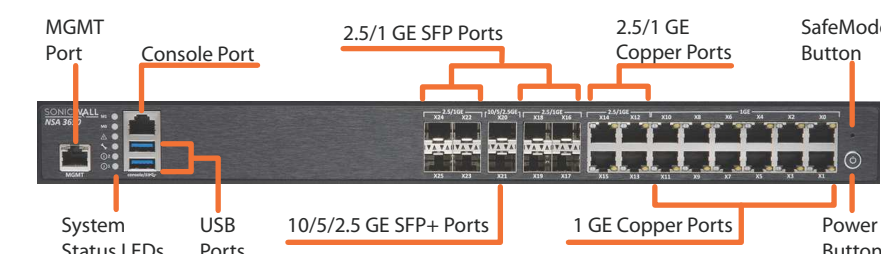
This section provides front and rear illustrations of the SonicWall NSA 2650/3650 platforms.

Appliance Front Panels

NSA 2650 Front Panel



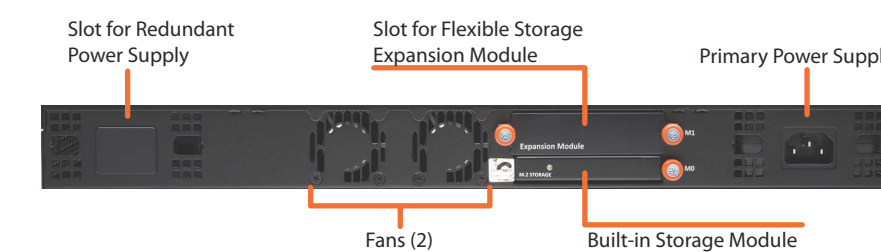
NSA 3650 Front Panel



Appliance Back Panels

The hardware configuration of the back panel is the same on both the NSA 2650 and NSA 3650.

NSA 2650/3650 Back Panel



Test/Wrench LED

| LED Color | Description |
|-----------------------|--|
| Off | System booted and is operational. |
| Solid Yellow | System booting is in progress. |
| Slow blinking yellow | System is in SafeMode. |
| Rapid blinking yellow | System is shutting down. CAUTION: Do not remove power during the shutdown process. You risk damaging your appliance. |

Alarm LED

| LED Color | Description |
|--------------------------|---|
| Off | No alarms present. |
| Blinking or solid yellow | Minor system alarm. |
| Blinking or solid red | Major or critical system alarm (thermal, fan, etc). |

Module 0 / Module 1 LEDs

| LED Color | Description |
|--------------|--|
| Off | Module is not detected in respective slot. |
| Solid green | Module is present in the slot and operational. |
| Solid yellow | Module warning. |

MGMT Port LEDs

| LED Color | Description |
|-----------------|---|
| Off | No link. |
| Solid green | Linked at 1 Gbps, 100 Mbps, or 10 Mbps. |
| Blinking yellow | Traffic is active. |

1 Gigabit Ethernet Copper Ports LEDs

| LED Color | Description |
|-----------------|---|
| Off | No link. |
| Solid green | Linked at 1 Gbps, 100 Mbps, or 10 Mbps. |
| Blinking yellow | Traffic is active. |

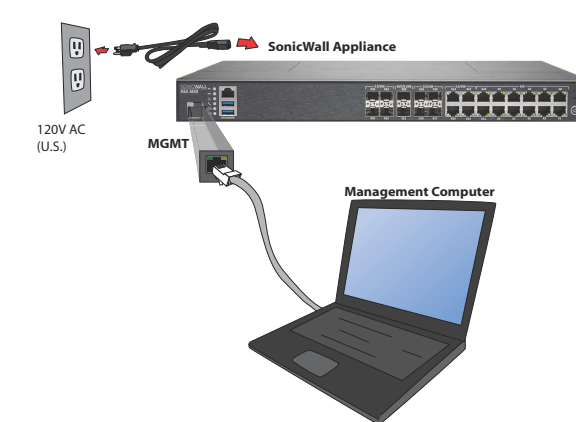
2.5 / 1 GE Copper Ports and SFP Ports LEDs

| LED Color | Description |
|-----------------|-------------------------------|
| Off | No link. |
| Solid green | Linked at 1 Gbps or 100 Mbps. |
| Solid amber | Linked at 2.5 Gbps. |
| Blinking yellow | Traffic is active. |

10 / 5 / 2.5 GE SFP+ Ports LEDs (NSA 3650 only)

| LED Color | Description |
|-----------------|---|
| Off | No link. |
| Solid green | Linked at 1 Gbps or 100 Mbps. |
| Solid amber | Linked at 10 Gbps, 5 Gbps, or 2.5 Gbps. |
| Blinking yellow | Traffic is active. |

7 Connecting and Powering On



To connect your management computer to the NSA appliance for initial setup:

- Using the provided Ethernet cable, connect one end to your management computer and the other to the MGMT port on the appliance. The MGMT port is a dedicated 1 Gigabit Ethernet interface for appliance management and SafeMode access.
- Connect the power cord to the appliance and to an appropriate electrical outlet (100-240 volts).

3 Checking Package Contents

Before you begin the setup process, verify that your package contains the following items:

- One SonicWall NSA 2650/3650 appliance
- One power cord
- One Ethernet cable
- One serial console cable
- One NSA 2650/3650 Quick Start Guide
- One Safety, Environmental, and Regulatory Information document

NOTE: The included power cord is approved for use only in specific countries or regions. Before using a power cord, verify that it is rated and approved for use in your location.

Package Contents



4 Determining the WAN Type

Before configuring your SonicWall NSA appliance, you need to determine the type of WAN connection that your setup uses. SonicWall supports the following types:

- Static**—Configures the appliance for a network that uses static IP addresses.
- DHCP**—Configures the appliance to request IP settings from a DHCP server on the Internet.
- PPPoE**—Point-to-Point Protocol over Ethernet (PPPoE) is typically used with a DSL modem. If your ISP requires desktop software with a username and password, select NAT with PPPoE mode.
- PPTP**—Point-to-Point Tunneling Protocol (PPTP) is used to connect to a remote server. PPTP typically supports older Microsoft Windows implementations that require tunneling connectivity.
- L2TP**—Layer 2 Tunneling Protocol (L2TP) is used to transmit Layer 2 data over IP or other Layer 3 routed networks. Internet Service Providers (ISPs) often use it to enable virtual private networks (VPNs) for customers over the Internet. It does not encrypt network traffic itself. **If L2TP is not available in the Setup Wizard, you can configure it later in the SonicOS management interface.**
- Wire Mode (2-Port Wire)**—Inserts the appliance into the network using two paired interfaces. Available Wire Mode types include Bypass, Inspect, and Secure. Bypass mode allows for quick and non-disruptive insertion into the data path. Inspect mode extends Bypass mode with traffic inspection for classification and flow reporting. Secure mode provides full SonicWall ReAssembly-Free Deep Packet Inspection™ (RF-DPI) and control of network traffic. Secure Mode also affords the same level of visibility and enforcement as conventional NAT or L2 Bridged Mode deployments, but without any L3/L4 transformations, and with no alterations of ARP or routing behavior. **If Wire Mode is not available in the Setup Wizard, you can configure it later in the SonicOS management interface.**

NOTE: When operating in Wire Mode, the firewall's MGMT interface is used for local management. To enable remote management and dynamic security services and application intelligence updates, a WAN interface (separate from the Wire Mode interfaces) must be configured for Internet connectivity.

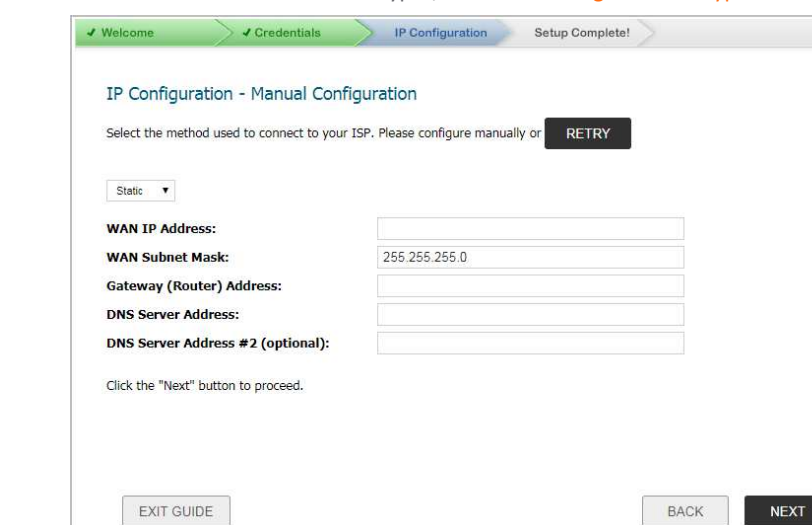
- Tap Mode (1-Port Tap)**—Using a single interface, the firewall connects to and receives mirrored packets from an adjacent switch SPAN port. Similar to Inspect mode in Wire Mode, but with a single port and not in the physical path of traffic. **If Tap Mode is not available in the Setup Wizard, you can configure it later in the SonicOS management interface.**

For more information about WAN types including Wire Mode, Tap Mode, L2TP, and others, refer to the *SonicOS Administration* documentation or online help.

- In the **IP Configuration** screen, the wizard defaults to DHCP for the WAN type and requests IP settings from the DHCP server on the network. Do one of the following:
 - Click **NEXT** to accept these settings.
 - Click **Manual Config** if you want to configure a different WAN type, and then click **NEXT**.

For example, change the WAN type to **Static** using the drop-down list and manually enter a static IP address and other settings.

For information about WAN types, see **Determining the WAN Type**.



- In the **Manual Configuration** screen, click **RETRY** if you want to revert to **DHCP**.

- In the **Setup Complete** screen:

- Review the settings.
 - Optionally select **Automatic secure crash analysis reporting**.
 - Optionally select **Periodic secure diagnostic reporting for support purposes**.
- If the settings are correct, click **DONE** to apply the configuration. The Startup Guide exits and the appliance displays the login page.
- Optionally log in with the username and password that you set up in **Step 5** (the default credentials are *admin / password*).

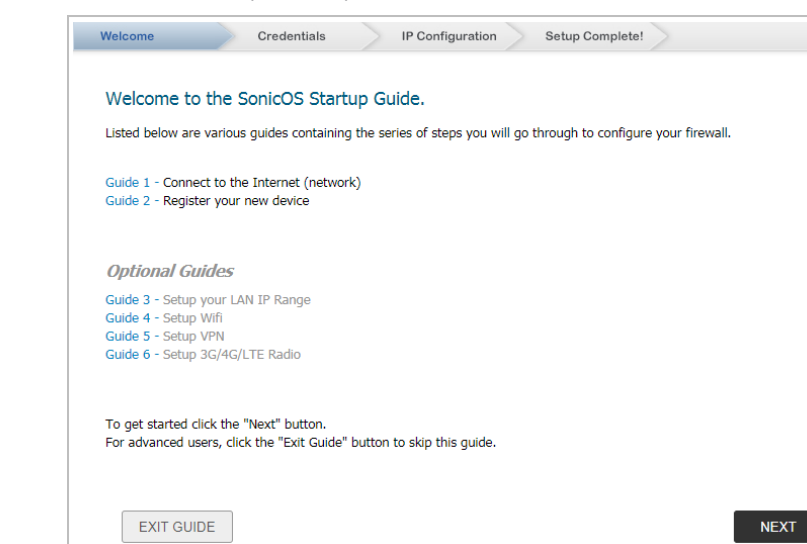
- TIP:** Optionally connect the appliance WAN interface (X1) to your Internet connection at this point. Since the WAN type is DHCP by default, this will prevent an error message during IP configuration in the setup wizard. See **Connecting the LAN and WAN Interfaces**.

8 Using the Setup Wizard

The SonicOS setup wizard helps you quickly configure the SonicWall appliance to secure your Internet connection.

To use the setup wizard:

- Configure the Local Area Connection IPv4 properties on your management computer with a static IP address on the 192.168.1.0/24 subnet, such as 192.168.1.20, and set the subnet mask to 255.255.255.0. This allows your computer to connect to SonicOS via the MGMT interface.
- In a web browser on your computer, navigate to the default MGMT IP address: <http://192.168.1.254>
- In the initial screen, launch the SonicOS setup wizard by clicking the first link, **To launch the SonicWall Setup Guide, click here**.
- The SonicOS Startup Guide opens. Click **NEXT**.



- In the **Credentials** screen, optionally configure the admin password and settings, and then click **NEXT**.

NOTE: The default administrator credentials are:
Username: *admin*
Password: *password*

5 System Requirements

Before beginning the setup process, verify that you have:

- An Internet connection
- A web browser supporting Java Script and HTTP uploads

The following browsers are supported for SonicOS management:

- Chrome, version 45 and higher
- Firefox, version 38 and higher
- Internet Explorer, version 10 and higher
- Edge, all versions
- Opera, version 32 and higher
- Safari (running on non-Windows machines), version 10 and higher

NOTE: Mobile device browsers are not recommended for SonicWall appliance system administration.

6 SonicWall NSA LED Activity

The system LEDs provide essential status information about the appliance.

Power 1 and Power 2 LEDs

| LED Color | Description |
|-----------|---|
| Off | Respective power supply is not detected in the chassis. If both power supply LEDs are off, the system is not powered on. NOTE: When the optional power supply is not installed, it might take 1 to 2 minutes until the system detects the absence of the optional power supply. The LED may appear yellow at first, but will turn off once booting is finished. |
| Blue | Respective power supply is on and operating properly. |
| Yellow | Respective power supply is defective, not connected to an AC source, or switched off. NOTE: There may be a 10-20 second delay from the moment when a power LED becomes yellow. This is normal and associated with voltage decay. |

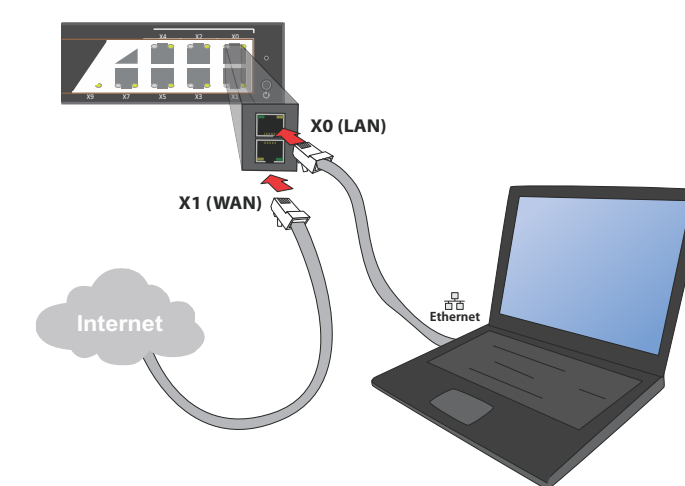
The Power 1 LED is the bottom LED next to the MGMT port. It is for the primary power supply. The Power 2 LED for the redundant power supply is above the Power 1 LED.

9 Connecting the LAN and WAN Interfaces

After initial setup is complete, physically connect the LAN and WAN interfaces to the appropriate network devices in your environment to provide access to your networks or the Internet.

NOTE: Internet connectivity is needed for the recommended product registration process. For initial Internet access, connect your computer to the NSA X0 interface or to the LAN subnet. You cannot reach the Internet or other external destinations while connected to the MGMT interface without first configuring a default gateway in its interface settings.

LAN and WAN Connections



To connect the interfaces:

- Using a standard Ethernet cable, connect the appliance LAN interface (X0) to your local network switch or device, or to your computer.
- Using another Ethernet cable, connect the appliance WAN interface (X1) to your Internet connection. If you have a router, DSL modem, or cable modem, connect the Ethernet cable to a LAN port on the router or modem.

NOTE: If X1 is configured in Wire Mode, you can configure a different interface with one of the other WAN types for use in this step.

