

SonicWall® Switch 10-Port / 24-Port / 48-Port Series

Quick Start Guide

Regulatory Model Numbers:

1RK43-0E3 SWS12-10FPOE

1RK44-0E4 SWS14-24

1RK45-0E5 SWS14-24FPOE

1RK46-0E6 SWS14-48

1RK47-0E7 SWS14-48FPOE

SONICWALL®

The SonicWall logo features the brand name in a bold, sans-serif font. A stylized orange swoosh is positioned below the 'W' and 'A', extending to the right and curving upwards.

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For more information, visit <https://www.sonicwall.com/legal>.

For technical support and documentation, visit <https://www.sonicwall.com/support>.

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.

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Introduction

Thank you for purchasing a SonicWall Switch. SonicWall Switches provide greater security and performance while enabling integrated security administration.

This Quick Start Guide provides hardware information and multiple setup options for connecting your Switch and getting started with it.

SWS12-10FPOE
(PoE capable)



SWS14-24FPOE
(PoE capable)



SWS14-24



SWS14-48FPOE
(PoE capable)



SWS14-48



More details and complete instructions are available online in the *Switch Getting Started Guide*. Scan the QR code or go to <https://www.sonicwall.com/support/technical-documentation/?category=Switch>.



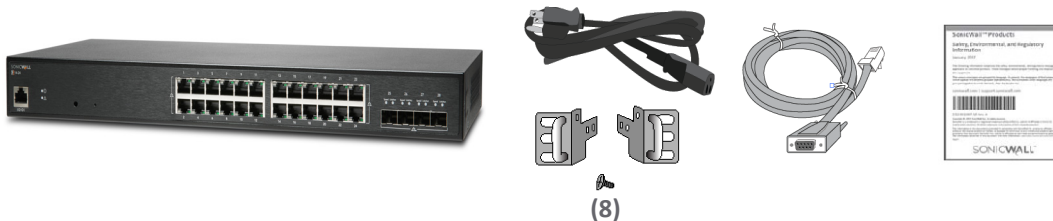
Check the Package Contents

Aside from this booklet your package includes:

- SonicWall Switch
- 2 rack-mounting brackets with 8 screws
- Serial cable
- Safety, Environmental, and Regulatory Information booklet
- Power cable

i | **NOTE:** The included power cord is approved for use only in specific countries or regions. Before using a power cord, ensure it is approved for use in your location.

i | 添付の電源コードに関して：電気安全を確保するために、弊社製品にご使用いただく電源コードは必ず製品同梱の電源コードをご使用ください。この電源コードは他の製品では使用できません。



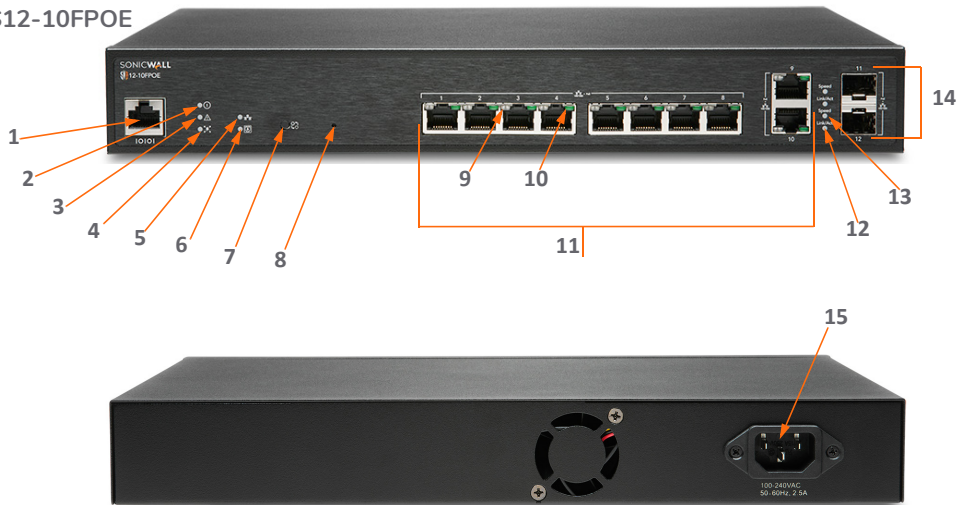
Specifications

Specification	SWS12-10FPOE	SWS14-24	SWS14-24FPOE	SWS14-48	SWS14-48FPOE
1 Gb RJ45	10	24	24	48	48
1 Gb SFP	2				
1 / 10 Gb SFP+ ¹		4	4	4	4
Fans	1	—	2	1	3
Power Supply	180 W	25 W	480 W	60 W	900 W
Power Input	100-240 VAC 50-60 Hz	100-240 VAC 50-60 Hz	100-240 VAC 50-60 Hz	100-240 VAC 50-60 Hz	100-240 VAC 50-60 Hz
PoE Ports	8	—	24	—	48
PoE Standards	802.3af/at	—	802.3af/at	—	802.3af/at
PoE Power	130 W	—	410 W	—	730 W
Maximum PoE Power per Port	30 W	—	30 W	—	30 W
Operating Temperature	0 — 40°C	0 — 40°C	0 — 40°C	0 — 40°C	0 — 40°C
Humidity (non-condensing)	5 — 95%	5 — 95%	5 — 95%	5 — 95%	5 — 95%

1.Contact your SonicWall sales representative for information on available SonicWall SFP/SFP+ modules and cables: <https://www.sonicwall.com/customers/contact-sales/>

Hardware Interface — 10-Port Switch

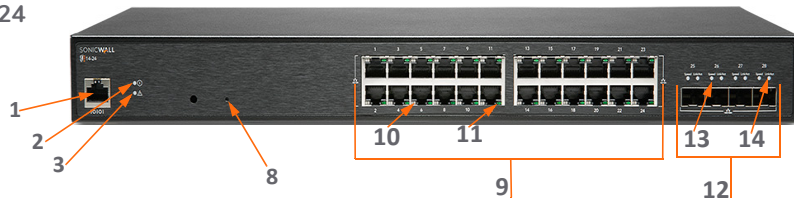
SWS12-10FPOE



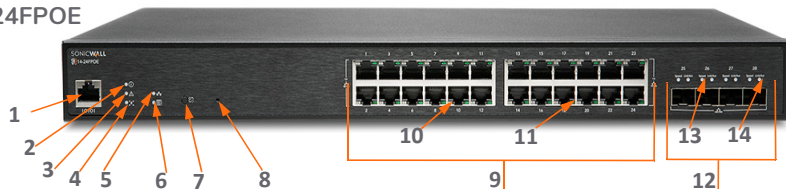
<p>1 Serial Console Port (RJ45)</p>	<p>8 Reset button: Press to reset the Switch to current settings. Press for 10 seconds to enter Recovery mode. Note: Returns Switch to default configuration.</p>
<p>2 Power On LED</p>	<p>9 LAN Mode (per copper port): <i>Off</i> = No link; <i>Amber</i> = active 100 Mbps link; <i>Green</i> = active 1 Gbps link; PoE Mode: <i>Off</i> = No PoE activity; <i>Green</i> = active PoE current; <i>Amber</i> = PoE fault or overcurrent</p>
<p>3 Fault LED: <i>Off</i> = normal; <i>Lit</i> = Fault</p>	<p>10 Link/Activity LED (per copper port): <i>Off</i> = No link; <i>Solid Light</i> = link on; <i>Blinking</i> = packet transfer in process</p>
<p>4 PoE Max LED: <i>Off</i> = Additional PoE device may be added; <i>Lit</i> = PoE power limit exceeded</p>	<p>11 RJ45 LAN Ports: 10/100/1000 Mbps RJ45 LAN ports</p>
<p>5 LAN Mode LED: <i>Off</i> = LAN mode off; <i>Lit</i> = LAN mode on</p>	<p>12 SFP Link/Act (per SFP port): <i>Off</i> = No link; <i>Green</i> = active link; <i>Blinking</i> = packet transfer in process</p>
<p>6 PoE Mode LED: <i>Off</i> = PoE mode off; <i>Lit</i> = PoE mode on</p>	<p>13 SFP Speed (per SFP port): <i>Off</i> = No traffic; <i>Green</i> = 1 Gbps</p>
<p>7 LAN/PoE Mode Selector: Press to change between LAN and PoE LED display modes. Refer to feature 9.</p>	<p>14 SFP Ports: 1 Gbps ports</p>
	<p>15 AC Power Port</p>

Hardware Interface — 24-Port Switches

SWS14-24

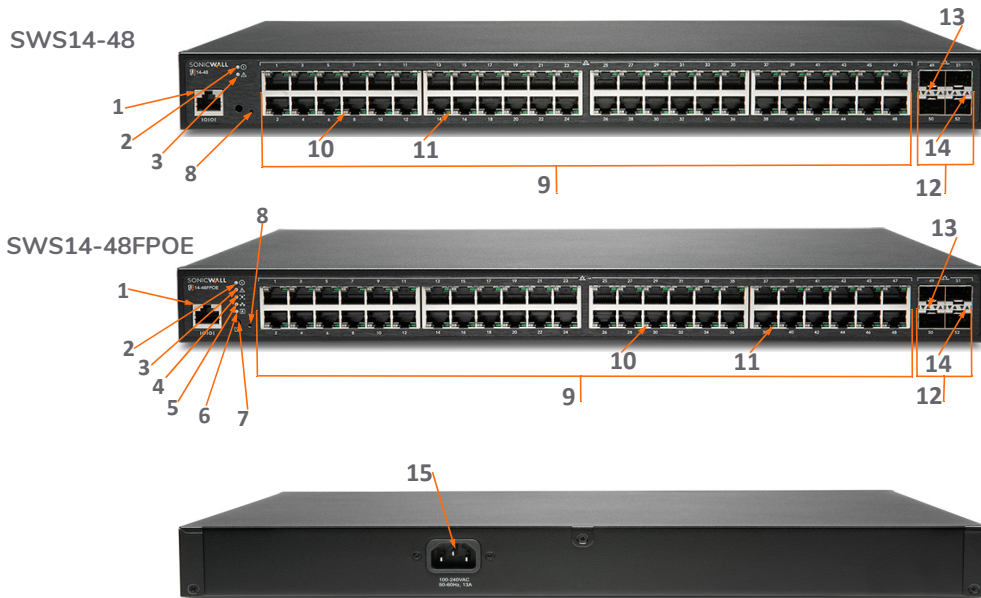


SWS14-24FPOE



<p>1 Serial Console Port (RJ45)</p>	<p>8 Reset button: Press to reset the Switch to current settings. Press for 10 seconds to go to Recovery Mode. Note: Returns Switch to default configuration.</p>
<p>2 Power On LED</p>	<p>9 RJ45 LAN Ports: 10/100/1000 Mbps RJ45 LAN ports</p>
<p>3 Fault LED: <i>Off</i>= normal; <i>Lit</i> = Fault</p>	<p>10 LAN Mode (per copper port): <i>Off</i> = No link; <i>Amber</i> = active 100 Mbps link; <i>Green</i> = active 1 Gbps link. PoE Mode: <i>Off</i> = No PoE; <i>Amber</i> = excess PoE current; <i>Green</i> = active PoE current</p>
<p>4 PoE Max LED: <i>Off</i> = Additional PoE device may be added; <i>Lit</i> = PoE power limit exceeded</p>	<p>11 Link/Act LED (per copper port): <i>Off</i>: No link; <i>Lit</i> = link on; <i>Blinking</i>= packet transfer in process</p>
<p>5 LAN Mode LED: <i>Off</i> = LAN mode off; <i>Lit</i> = LAN mode on</p>	<p>12 SFP+ Ports (per SFP port): Small Form Pluggable ports: 1 or 10 Gbps ports</p>
<p>6 PoE Mode LED: <i>Off</i> = PoE mode off; <i>Lit</i> = PoE mode on</p>	<p>13 SFP+ Speed LED (per SFP+ port): <i>Off</i> = no packet transfer; <i>Green</i> = 1 or 10 Gbps</p>
<p>7 LAN/PoE Mode Selector: Press to change between LAN and PoE LED display modes. Refer to feature 10.</p>	<p>14 SFP+ Link/Act LED (per SFP+ port): <i>Off</i> = No link; <i>Green</i> = active link; <i>Blinking</i> = packet transfer in process</p>
	<p>15 AC Power Port</p>

Hardware Interface — 48-Port Switches

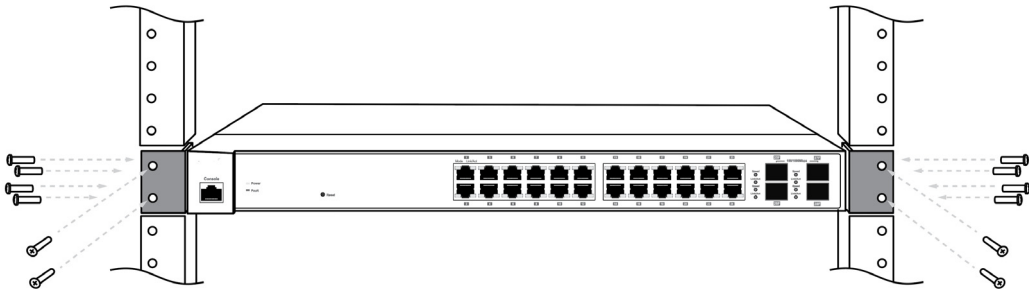


<p>1 Serial Console Port (RJ45)</p>	<p>8 Reset button: Press to reset the Switch to current settings. Press for 10 seconds to go to Recovery Mode. Note: Returns Switch to default configuration.</p>
<p>2 Power On LED</p>	<p>9 RJ45 LAN Ports: 10/100/1000 Mbps RJ45 LAN ports</p>
<p>3 Fault LED: <i>Off</i>= normal; <i>Lit</i> = Fault</p>	<p>10 LAN Mode: (per copper port) <i>Off</i> = No link; <i>Amber</i> = active 100 Mbps link; <i>Green</i> = active 1 Gbps link; PoE Mode: <i>Off</i> = No PoE; <i>Amber</i> = excess PoE current; <i>Green</i> = active PoE current</p>
<p>4 PoE Max LED: <i>Off</i> = Additional PoE device may be added; <i>Lit</i> = PoE power limit exceeded</p>	<p>11 Link/Act LED (per copper port): <i>Off</i> = No link; <i>Lit</i> = link on; <i>Blinking Light</i> = packet transfer in process</p>
<p>5 LAN Mode LED: <i>Off</i> = LAN mode off; <i>Lit</i> = LAN mode on</p>	<p>12 SFP+ Ports: Small Form Pluggable ports. 1 or 10 Gbps ports</p>
<p>6 PoE Mode LED: <i>Off</i> = PoE mode off; <i>Lit</i> = PoE mode on</p>	<p>13 SFP+ Speed LED (per SFP+ port): <i>Off</i> = no packet transfer; <i>Green</i> = 1 or 10 Gbps</p>
<p>7 LAN/PoE Mode Selector: Press to change between LAN and PoE LED display modes. See feature 10.</p>	<p>14 SFP+ Link/Act LED (per SFP+ port): <i>Off</i> = No link; <i>Green</i> = active link; <i>Blinking</i> = packet transfer in process</p>
	<p>15 AC Power Port</p>

Installing the Switch

Installing on a Rack

To mount the Switch in a rack, attach the included rack mounting brackets to the Switch. Then connect the Switch to the rack, securing the mounting brackets to the rack. The Switch can be mounted in an EIA standard 19-inch rack, which can be placed in a wiring closet with other equipment.



Managing the Switch

This section covers configuration of the Switch through a SonicWall firewall, or, through the SonicWall Switch standalone web management interface.

- [Managing the Switch with SonicOS 6.5](#) on page 18
- [Managing the Switch with SonicOS/X 7](#) on page 23
- [Configuring a Standalone Switch](#) on page 29

Managing the Switch with SonicOS 6.5

Zero-Touch Switch setup is available when connecting your Switch to a SonicWall firewall running SonicOS 6.5.4.6 or higher.

To prepare the firewall:

- 1 Configure the firewall interface where the Switch will be connected with a static IP address:
 - a Log into the SonicOS management interface as an administrator.
 - b Navigate to **MANAGE > Networks > Interfaces** and click on the **Configure** button for the firewall interface you wish to use.
 - c In the **Interface Settings** dialog box, select a zone such as **LAN**.
 - d Set the **Mode / IP Assignment** to **Static IP Mode**.

- e Enter an IP address for the interface.

General Advanced

Interface 'X2' Settings

Zone:

Mode / IP Assignment:

IP Address:

Subnet Mask:

Default Gateway (Optional):

Comment:

Management: HTTPS Ping SNMP SSH

User Login: HTTP HTTPS

Add rule to enable redirect from HTTP to HTTPS

- Click on the **Advanced** tab shown below and then select **Enable Auto-Discovery of SonicWall Switches**. This will automatically add DHCP scope under the configured interface.

General **Advanced**

Advanced Settings

Link Speed:

Use Default MAC Address:

Override Default MAC Address:

Shutdown Port

Enable Auto-Discovery of SonicWall Switches

Enable flow reporting

Enable Multicast Support

Enable 802.1p tagging

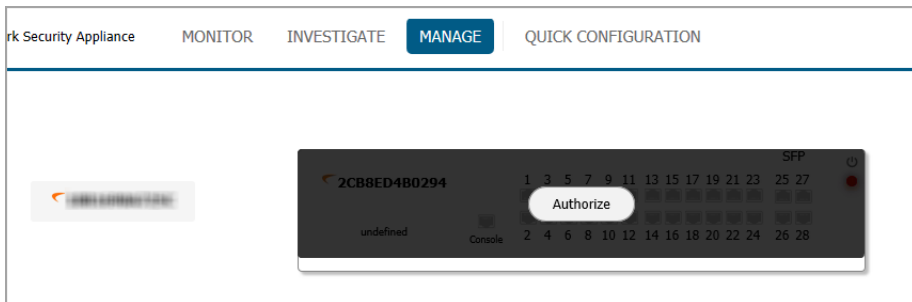
Exclude from Route Advertisement (NSM, OSPF, BGP, RIP)

Management Traffic Only

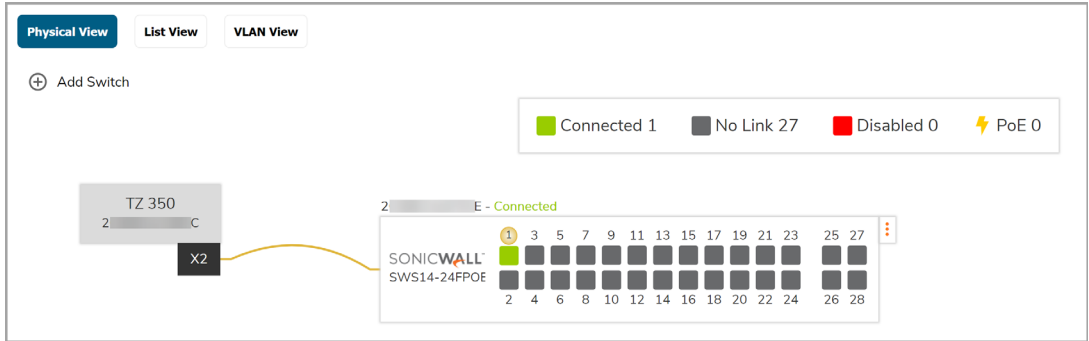
Enable Asymmetric Route Support

To connect the Switch:

- 1 Connect the Switch to the firewall interface configured in the previous steps.
- 2 Plug in the Switch using the provided power cord.
 - ① **NOTE:** If you connect your Switch to a DHCP-enabled network before powering it on, it will get a DHCP lease from that server. To recover, unplug your Switch from the network and connect it to your firewall.
- 3 After the Switch boots, verify that the Link/Act LED indicates a good cable connection.
The Switch gets a DHCP lease from the firewall interface.
- 4 In SonicOS, navigate to **Switch Controller > Overview > Physical View** click on **Authorize**.



- 5 The Switch may require rebooting. Afterwards, the graphic shows the Switch status as green and connected.



For detailed instructions, go to <https://www.sonicwall.com/support/technical-documentation/?category=Switch> to access the *Switch Getting Started Guide*.

Managing the Switch with SonicOS/X 7

SonicOS/X 7 supports Zero-Touch Switch setup.

To prepare the firewall:

- 1 Configure the firewall interface where the Switch will be connected with a static IP address.

Navigate to **NETWORK > System > Interfaces > Interface Settings** and click on the pencil symbol for the firewall interface you wish to use.

The screenshot shows the 'Interface Settings' page in the SonicOS/X 7 web interface. The breadcrumb navigation is 'Network / System / Interfaces'. The 'Configuration' toggle is set to 'Non-Config'. The 'Interface Settings' tab is active, and the 'IPv4' sub-tab is selected. A 'Show Portshield Groups' toggle is turned on. The table below lists the interfaces:

NAME	ZONE	GROUP	IP ADDRESS	SUBNET MASK	IP ASSIGNMENT	STATUS	ENABLED	COMMENT
X0	LAN	N/A	192.168.168.168	255.255.255.0	Static IP	No link	<input type="checkbox"/>	
X1	WAN	Default LB Group	10.203.28.158	255.255.255.0	Static IP	1 Gbps Full Duplex	<input type="checkbox"/>	
X2	LAN	N/A	192.168.0.239	255.255.255.0	Static IP	1 Gbps Full Duplex	<input checked="" type="checkbox"/>	
X3	Unassigned	N/A	0.0.0.0	0.0.0.0		No link	<input type="checkbox"/>	
X4	Unassigned	N/A	0.0.0.0	0.0.0.0		No link	<input type="checkbox"/>	
X5	Unassigned	N/A	0.0.0.0	0.0.0.0		No link	<input type="checkbox"/>	
X6	Unassigned	N/A	0.0.0.0	0.0.0.0		No link	<input type="checkbox"/>	

- In the **Edit Interface** dialog box, select a zone such as **LAN** and set **Mode / IP Assignment** to **Static IP Mode**. Then enter a valid IP address.

Edit Interface - X2

General Advanced

INTERFACE 'X2' SETTINGS

Zone: LAN

Mode / IP Assignment: Static IP Mode

IP Address: 192.168.168.20

Subnet Mask: 255.255.255.0

Default Gateway (Optional): 0.0.0.0

Comment:

Add rule to enable redirect from HTTP to HTTPS:

MANAGEMENT

HTTPS: Ping:

USER LOGIN

HTTP: HTTPS:

- 3 Click on the **Advanced** tab and then enable the **Enable Auto-Discovery of SonicWall Switches** option.

The screenshot shows the 'Edit Interface - X2' configuration window. The 'Advanced' tab is selected, and the 'ADVANCED SETTINGS' section is visible. The 'Enable Auto-Discovery of SonicWall Switches' option is checked, indicated by a green toggle switch and a red box around it. Other options include 'Link Speed' (Auto Negotiate), 'Use Default MAC Address' (selected), 'Shutdown Port' (unchecked), 'Enable flow reporting' (unchecked), 'Enable Multicast Support' (unchecked), 'Enable 802.1p tagging' (unchecked), 'Exclude from Route Advertisement (NSM, OSPF, BGP, RIP)' (unchecked), 'Management Traffic Only' (unchecked), and 'Enable Asymmetric Route Support' (unchecked). The 'Cancel' and 'OK' buttons are at the bottom right.

- 4 Click **OK**.

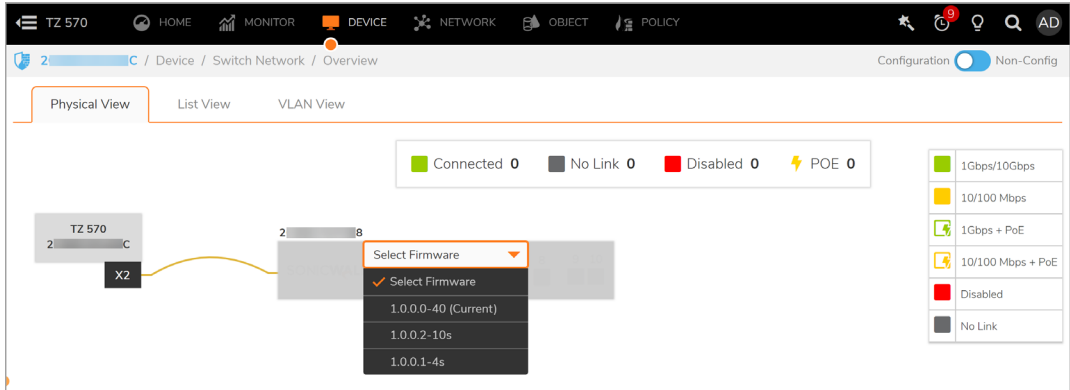
To connect the Switch:

- 1 Connect the Switch to the firewall interface that was configured in the previous steps.
- 2 Plug the Switch into a power source. After it boots, verify that the Link/Act LED indicates a good cable connection.

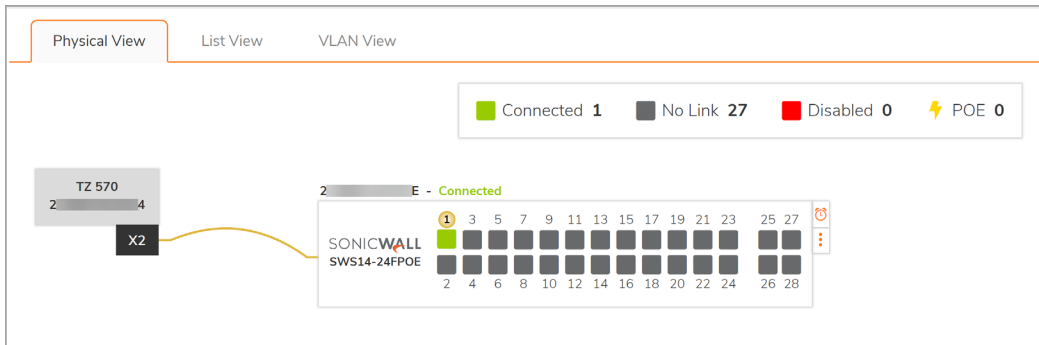


NOTE: If you connect your Switch to a DHCP-enabled network before powering it on, it will get a DHCP lease from that server. To recover, disconnect your Switch from the network and then connect it to your firewall.

- 3 In the SonicOS/X management interface, navigate to **DEVICE > Switch Network > Overview > Physical View** and click on **Authorize**. If the Switch can connect to the SonicWall cloud servers and a more recent Switch firmware image is available, the option to upgrade and reboot will appear.



- 4 If you do not choose to upgrade firmware, or if there is no choice, a detailed graphic of the Switch appears. Otherwise, the graphic of the Switch will appear after the Switch reboots with new firmware. The graphic indicates that the Switch is online.



NOTE: If the Switch has been previously installed, it may be necessary to reset it to the factory default configuration. Refer to [Hardware Interface — 10-Port Switch](#) on page 8.

Configuring a Standalone Switch

You can configure your Switch by logging into the local Switch management interface. Typically, the Switch management interface can be accessed at <https://192.168.168.169> through the X0 interface or another port.

To access the Switch local interface:

- 1 Set your management computer to use an available IPv4 address on the Switch 192.168.168.x subnet, such as 192.168.168.100.

The subnet mask is 255.255.255.0. The gateway is 192.168.168.169.

- 2 Connect your management computer to any port on the Switch.
- 3 Point your browser to default management IP address (<https://192.168.168.169>) and log in using the default credentials (admin / password).



NOTE: If the Switch is connected to a firewall LAN interface before it is powered on, an IP address may be assigned to the management interface. Use the procedure below to find that IP address.

To access the Switch through the console port:

- 1 Connect the serial console cable from the configuring computer to the Switch port marked **Console**.
- 2 Launch any terminal emulation application that communicates with the serial port connected to the appliance (PuTTY, TeraTerm Pro, SecureCRT, HyperTerminal, etc.) Use these settings:
 - COM port
 - 115200 baud rate
 - 8 data bits
 - no parity
 - 1 stop bit
 - no flow control
- 3 Use admin / password to log into the command line interface.
- 4 Enter `show ip interface` and the Switch will respond with the IP address of the web management interface for local setup.

Connect the Switch to your network. For detailed instructions, go to <https://www.sonicwall.com/support/technical-documentation/?category=Switch> to access the *Switch Getting Started Guide*.

Safety and Regulatory

Regulatory Model Numbers

Regulatory Model/Type	Product Name
1RK43-0E3	SWS12-10FPOE
1RK44-0E4	SWS14-24
1RK45-0E5	SWS14-24FPOE
1RK46-0E6	SWS14-48
1RK47-0E7	SWS14-48FPoE

Installation Requirements



WARNING: The following conditions are required for proper installation.

- 1 The SonicWall appliance is designed to be mounted in a standard 19-inch rack mount cabinet.
- 2 Use the mounting hardware recommended by the rack manufacturer and ensure that the rack is adequate for the application.

- 3 Ensure that no water or excessive moisture can enter the unit.
- 4 Allow unrestricted airflow around the unit and through the vents on the side of the unit. A minimum of 1 inch (26mm) clearance is recommended.
- 5 Route cables away from power lines, fluorescent lighting fixtures, and sources of noise such as radios, transmitters, and broadband amplifiers.
- 6 Mount in a location away from direct sunlight and sources of heat. A maximum ambient temperature of 104° F (40° C) is recommended.
- 7 If installed in a closed or multi-rack assembly, the operating ambient temperature of the rack environment may be greater than the room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum recommended ambient temperature.
- 8 Mount the SonicWall appliances evenly in the rack in order to prevent a hazardous condition caused by uneven mechanical loading.
- 9 Four mounting screws, compatible with the rack design, must be used and hand-tightened to ensure secure installation. Choose a mounting location where all four mounting holes line up with those of the mounting bars of the 19-inch rack mount cabinet.
- 10 A suitably rated and approved branch circuit breaker shall be provided as part of the building installation. Follow local code when purchasing materials or components.
- 11 Consideration must be given to the connection of the equipment to the supply circuit. Appropriate consideration of equipment nameplate ratings must be used when addressing this concern. Do not overload the circuit.
- 12 Reliable grounding of rack-mounted equipment must be maintained. Particular attention must be given to power supply connections other than direct connections to the branch circuits, such as power strips.
- 13 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.

- 14 Minimum power cord rating for European Union (CE): Certified power supply cord not lighter than light PVC sheathed flexible cord according to IEC 60227, designation, or H05 VV-F or H05 VVH2-F2, and rated for at least 3G 0.75 mm².
- 15 The following statement applies only to rack-installed products that are GS-Marked: This equipment is not intended for use at workplaces with visual display units, in accordance with §2 of the German ordinance for workplaces with visual display units.
- 16 When using a Fiber Optic Small-Form Pluggable (SFP) module, ensure it is IEC 60825 certified and Class 1 laser product.

Cable Connections

All Ethernet and RS232 (Console) cables are designed for intra-building connection to other equipment. Do not connect these ports directly to communication wiring or other wiring that exits the building where the SonicWall appliance is located.

Anforderungen an die Installation



WARNUNG: Für eine ordnungsgemäße Montage sollten die folgenden Hinweise beachtet werden.

- 1 Das SonicWall Modell ist für eine Montage in einem standardmäßigen 19-Zoll-Rack konzipiert.
- 2 Vergewissern Sie sich, dass das Rack für dieses Gerät geeignet ist und verwenden Sie das vom Rack-Hersteller empfohlene Montagezubehör.
- 3 Stellen Sie sicher, dass das Gerät vor Wasser und hoher Luftfeuchtigkeit geschützt ist.

- 4 Stellen Sie sicher, dass die Luft um das Gerät herum zirkulieren kann und die Lüftungsschlitze an der Seite des Gehäuses frei sind. Hier ist ein Belüftungsabstand von mindestens 26 mm einzuhalten.
- 5 Achten Sie darauf, dass sich die Netzkabel nicht in der unmittelbaren Nähe von Stromleitungen, Leuchtstoffröhren und Störquellen wie Funksendern oder Breitbandverstärkern befinden.
- 6 Wählen Sie für die Montage einen Ort, der keinem direkten Sonnenlicht ausgesetzt ist und sich nicht in der Nähe von Wärmequellen befindet. Die Umgebungstemperatur darf nicht mehr als 40 °C betragen.
- 7 Wenn das Gerät in einem geschlossenen 19"-Gehäuse oder mit mehreren anderen Geräten eingesetzt ist, wird die Temperatur in der Gehäuse höher sein als die Umgebungstemperatur. Achten Sie darauf, daß die Umgebungstemperatur nicht mehr als 40° C beträgt.
- 8 Bringen Sie die SonicWall waagrecht im Rack an, um mögliche Gefahren durch ungleiche mechanische Belastung zu vermeiden.
- 9 Verwenden Sie für eine sichere Montage vier passende Befestigungsschrauben, und ziehen Sie diese mit der Hand an. Wählen Sie einen Ort im 19-Zoll-Rack, wo alle vier Befestigungen der Montageschienen verwendet werden.
- 10 Ein angemessen dimensionierter und geprüfte Sicherung, sollte Bestandteil der Haus-Installation sein. Bitte folgen die den lokalen Richtlinien beim Einkauf von Material oder Komponenten.
- 11 Prüfen Sie den Anschluss des Geräts an die Stromversorgung, damit der Überstromschutz sowie die elektrische Leitung nicht von einer eventuellen Überlastung der Stromversorgung beeinflusst werden. Prüfen Sie dabei sorgfältig die Angaben auf dem Aufkleber des Geräts. Überlasten Sie nicht den Stromkreis.
- 12 Eine sichere Erdung der Geräte im Rack muss gewährleistet sein. Insbesondere muss auf nicht direkte Anschlüsse an Stromquellen geachtet werden wie z. B. bei Verwendung von Mehrfachsteckdosen.
- 13 Das im Lieferumfang enthaltene bzw. die im Lieferumfang enthaltenen Netzkabel sind nur für die Verwendung in bestimmten Ländern und Regionen zugelassen. Überprüfen Sie bitte vor der Verwendung eines Netzkabels, ob es für die Verwendung in Ihrem Land oder Ihrer Region zugelassen ist und den geforderten Normen entspricht.

- 14 Mindest Stromkabel Bewertung für die Europäische Union (CE): Zertifizierte Netzkabel nicht leichter als leichte PVC-Schlauchkabel nach IEC 60227, Bezeichnung oder H05 VV-F oder H05 VVH2-F2 und bewertet für mindestens 3G 0,75 mm².
- 15 Der folgende Hinweis gilt nur für rackmontierte Produkte mit GS-Kennzeichen: Dieses Gerät ist nicht zur Verwendung an Arbeitsplätzen mit visuellen Anzeigegeräten gemäß § 2 der deutschen Verordnung für Arbeitsplätze mit visuellen Anzeigegeräten vorgesehen.
- 16 Bei der Verwendung von Lichtwellenleiter-Small-Form Pluggable (SFP) Modul zu gewährleisten, sicher dass es nach IEC 60825 zertifiziert ist und Laser Klasse 1 Produkt.

Kabelverbindungen

Alle Ethernet- und RS232-C-Kabel eignen sich für die Verbindung von Geräten in Innenräumen. Schließen Sie an die Anschlüsse der SonicWall keine Kabel an, die aus dem Gebäude herausgeführt werden, in dem sich das Gerät befindet.

Exigences Relatives à l'installation

 **AVERTISSEMENT:** Les conditions suivantes sont requises pour une installation correcte.

- 1 L'appareil SonicWall est conçu pour être monté dans une baie standard de 19 pouces.
- 2 Utilisez le matériel de montage recommandé par le fabricant de la baie et assurez-vous que celui-ci est adapté à l'appareil.
- 3 Veillez à éviter tout contact de l'appareil avec de l'eau ou une humidité excessive.

- 4 Veillez à ce que l'air puisse facilement circuler autour de l'unité et à travers les aérations prévues sur le côté de l'unité. Laissez un espace d'au moins 25,44 mm.
- 5 Faites passer les câbles à une distance raisonnable des lignes électriques, des luminaires à lampe fluorescente et des sources de bruit telles que les radios, les émetteurs et les amplificateurs à large bande.
- 6 Procédez au montage dans un endroit à l'abri des rayons du soleil et des sources de chaleur. Une température ambiante maximale de 40 °C (104 °F) est recommandée.
- 7 Si l'appareil est installé dans une baie fermée ou dans un système regroupant plusieurs baies, il est possible que la température ambiante de service autour de la baie soit supérieure à la température ambiante de la pièce. Par conséquent, assurez-vous d'installer l'équipement dans un environnement correspondant à la température ambiante maximale recommandée.
- 8 Montez les appareils SonicWall de manière égale dans la baie afin d'empêcher toute situation dangereuse due à un chargement mécanique inégal.
- 9 Quatre vis de montage compatibles avec la conception de la baie doivent être utilisées et serrées à la main pour garantir une installation sécuritaire. Choisissez un emplacement de montage où les quatre trous de montage sont alignés sur ceux des barres de montage de la baie de 19 pouces.
- 10 Un disjoncteur différentiel homologué et de puissance nominale appropriée doit être installé dans le bâtiment. Respectez la réglementation locale lorsque vous achetez du matériel ou des composants.
- 11 Soyez particulièrement vigilant quant au raccordement de l'équipement au circuit d'alimentation. Respectez pour cela les mentions figurant sur la plaque d'identification du produit. Ne surchargez pas le circuit.
- 12 Il est impératif d'assurer une mise à la terre fiable et constante de l'équipement monté à la baie. Portez une attention particulière aux branchements d'alimentation autres que des connexions directes aux circuits de dérivation, telles les multiprises.

- 13 Les cordons d'alimentation inclus sont uniquement approuvés pour une utilisation dans certaines régions et certains pays. Avant d'utiliser un cordon d'alimentation, vérifiez qu'il est bien conforme et approuvé aux normes de votre emplacement.
- 14 En cas d'utilisation d'un module SFP (émetteur-récepteur enfichable à faible encombrement), assurez-vous que l'équipement utilisé est certifié CEI 60825 Produit laser de classe 1.

Raccordements

Tous les câbles Ethernet et RS232 (console) sont conçus pour la connexion à d'autres appareils à l'intérieur d'un même bâtiment. Ne reliez pas ces ports directement à des câbles de communication ou à d'autres câbles qui sortent du bâtiment dans lequel se trouve l'appareil SonicWall.

安裝要求

 **警告：**需要滿足以下條件以進行正確安裝。

- 1 SonicWall 設備被設計成安裝在一個標準的 19 吋機架安裝櫃。
- 2 使用機架製造商推薦的裝載硬體，確認機架足夠裝置所需。
- 3 請確認裝置內不會滲入水分或過多的濕氣。
- 4 裝置週邊請保持通風，特別是裝置通風口側。建議裝置與牆壁間至少要有 1 英吋 (25.44 公釐) 的淨空。
- 5 纜線的路徑應遠離電源線、日光燈，以及會產生雜訊的來源，如無線電、發送器與寬頻放大器。
- 6 架設位置需遠離陽光直射與熱源。建議周圍溫度最高溫不要超過 104°F (40°C)。

- 7 如果是安裝於封閉式或多組機架配件，機架環境的周圍操作溫度可能會高過室內周遭。因此，在與上述建議之最高周圍溫度相容的環境中安裝設備時，應將此列入考量。
- 8 將 SonicWall 裝置平坦地裝設在機架中，如此才能避免因不均勻的機械負荷造成危險狀況。
- 9 必須使用四顆與機架設計相容的安裝螺釘，並用手鎖緊螺釘，確定安裝牢固。選擇一個安裝位置，將四個裝載洞孔對齊 19 吋架設機櫃的安裝桿。
- 10 應當提供一個合適額定值並且已被認可的分支電路斷路器作為安裝該裝置的一部分。在購買材料或部件時，應遵循當地安全代碼。
- 11 必須留心裝置與電源電路的連接問題，電路過載對過電流保護與電路電線的影響需降至最低。解決這個問題時，需正確考慮裝置銘牌額定值。不要過載電路。
- 12 必須維護可靠的機架裝載設備接地。必須特別留意電源供應器連線，而不是直接連接到電源板之類的分支電路。
- 13 隨附的電源線僅限於特定的國家或地區使用。使用前，請確認電源線的額定值且已被認可在你的地區上使用。
- 14 當使用光纖小封裝熱插拔 (Small-Form Pluggable, SFP) 模組時，請確認該模組通過 IEC 60825 認證 並且為 Class 1 產品。

纜線連結

所有乙太網路與 RS232 (主控台) 線路都是為與其他裝置進行內建連接所設計的。請不要將這些連接埠直接連接至通訊線路，或其他連出 SonicWall 裝置所在建築的線路。

台灣RoHS /限用物質含有情況標示

單元Unit	限用物質及其化學符號 Restricted substances and their chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁺⁶)	多溴聯苯 Polybrominate biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
機箱/檔板 (Chassis/Bracket)	—	○	○	○	○	○
機械部件 (風扇、散熱器等) (Mechanical parts (fan, heatsink, etc.))	—	○	○	○	○	○
電路板組件 (PCBA)	—	○	○	○	○	○
電線/連接器 (Cable/Connector)	—	○	○	○	○	○
電源設備 (Power Supply)	—	○	○	○	○	○
配件 (Accessories)	—	○	○	○	○	○
<p>備考1. “超出0.1 wt %” 及 “超出0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值。 Note 1 : “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.</p> <p>備考2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。 Note 2 : “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.</p> <p>備考3. “—” 係指該項限用物質為排除項目。 Note 3 : The “—” indicates that the restricted substance corresponds to the exemption.</p>						

Declaration of Conformity

A “Declaration of Conformity” in accordance with the directives and standards has been made and is on file at SonicWall International Limited, City Gate Park, Mahon, Cork, Ireland.

CE declarations can be found online at <https://www.sonicwall.com/support>.

 **NOTE:** Additional regulatory notifications and information for this product can be found online at <https://www.sonicwall.com/support>.

Warranty Information

All SonicWall appliances come with a 1-year Limited Hardware Warranty which provides delivery of critical replacement parts for defective parts under warranty. Visit the Warranty Information page for details on your product’s warranty at <https://www.sonicwall.com/support>.

SonicWall Support

Technical support is available to customers who have purchased SonicWall products with a valid maintenance contract.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. To access the Support Portal, go to <https://www.sonicwall.com/support>.

The Support Portal enables you to:

- View knowledge base articles and technical documentation
- View and participate in the Community forum discussions at <https://community.sonicwall.com/technology-and-support>
- View video tutorials
- Access MySonicWall
- Learn about SonicWall professional services
- Review SonicWall Support services and warranty information
- Register for training and certification
- Request technical support or customer service

To contact SonicWall Support, visit <https://www.sonicwall.com/support/contact-support>.

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