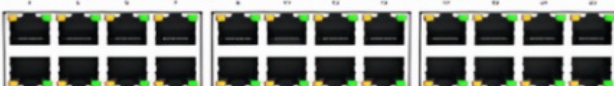


## hide ]

- ## 14.1 References



# FORTINET SASE 124G Series Ethernet Switch



## Specifications

- **Model:** FortiSwitch-SASE 124G Series
- **Variants:** FS-SASE-124G, FS-SASE-124G-FPOE
- **Ports:** 24 RJ45 ports, with Ports 23 & 24 designated as SASE WAN Ports
- **Speed:** 2.5/1 Gbps and 1 Gbps
- **Management Interface:** GUI and CLI
- **Power:** AC Power Cable included

## Product Usage Instructions

### GUI Setup

1. Connect Port 1 to your computer using an Ethernet cable.
2. Open a browser and go to <https://192.168.1.99>.

### CLI Setup

1. Connect a console cable to the Console Port.
2. Open a Terminal app and set the configuration to 115200-8-N-1.

### FortiLink Configuration

1. Log in to the FortiGate and navigate to WiFi & Switch Controller -> FortiLink Interface.
2. Add a FortiGate Port in the FortiLink interface.
3. Authorise the discovered device.

### RackMount Installation

1. Secure the ears using the provided screws.
2. Install the device in a rack using the provided screws.

### Front Panel Overview

- **CONSOLE** Port (RJ45)
- **POWER:** Green for on, Off for off; **ALARM:** Amber for fault, Off for no fault; **BLE** for

future use

- **RESET:** Press and hold for 10 seconds to restore factory default settings
- **Ports** 1 to 24 (RJ45): Ports 23 & 24 are SASE WAN Ports
- **LED Indicators:** Left LED (100M/10M Mbps) and Right LED (2.5/1 Gbps)

## The Essentials

### Secure your Network

- Register at <https://support.fortinet.com> for the latest threat protection updates



### GUI

1. Connect Port 1 to an Ethernet port or USB-RJ45 Ethernet adapter on your computer using an Ethernet cable (not included)
2. Open a browser to <https://192.168.1.99>

### CLI

1. Connect a console cable (not included) to the Console Port
2. Open a Terminal app using 115200-8-N-1

### Default Logins

- <https://192.168.1.99>
-  **Username:** admin
- **Password:** leave blank
- <https://fortilan.forticloud.com>
-  **Username:** user-defined
- **Password:** user-defined

### Fortinet Documents Library

- For getting started, documentation, admin guides, up-to-date hardware manuals and reference resources, visit <https://docs.fortinet.com/>

## FortiLAN Cloud

- Experience simplified cloud provisioning, zero-touch deployment, configuration management and reporting at <https://fortilan.forticloud.com>

## FortiSASE Integration

- To configure your device as an L3 switch using the SASE WAN Ports, refer to the FortiSASE Admin Guide at <https://docs.fortinet.com/product/fortisase>

## Package Contents

### FortiSwitch-SASE 124G Series FS-SASE-124G, FS-SASE-124G-FPOE



1x FortiSwitch-SASE Device



1x QuickStart Guide



4x Rubber Feet



1x AC Power Cable



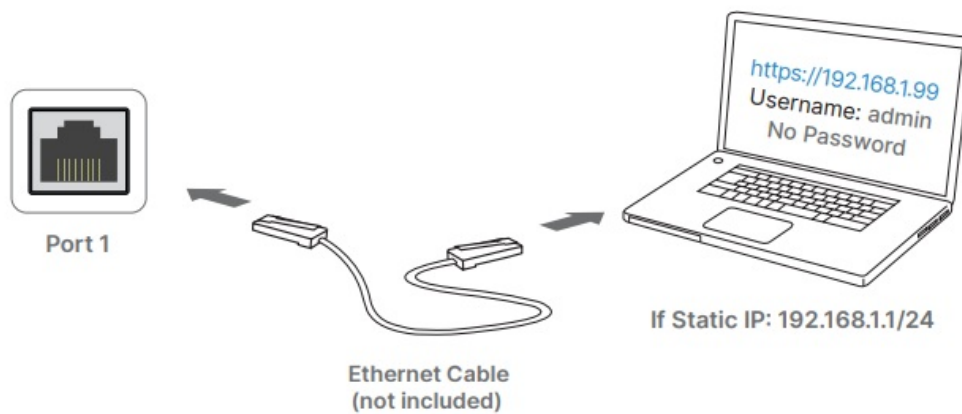
**FS-SASE-124G**  
2x Rackmount Brackets,  
8x Bracket Screws



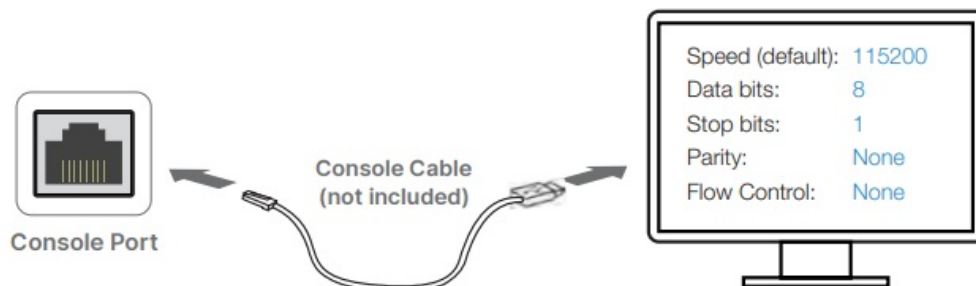
**FS-SASE-124G-FPOE**  
2x Rackmount Brackets,  
8x Bracket Screws

## Setup

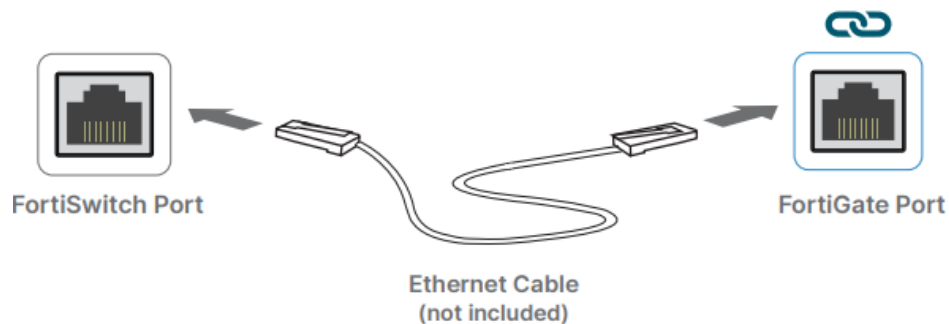
## GUI



## CLI

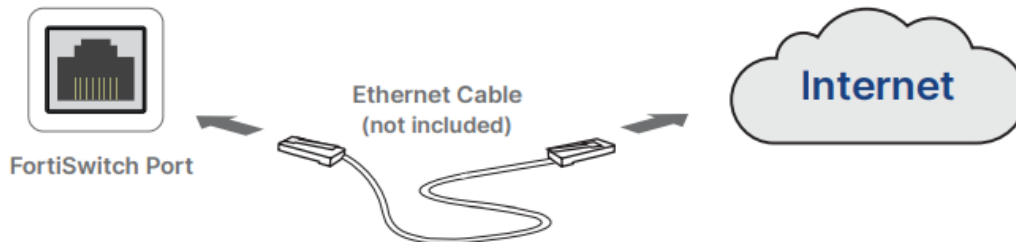


## FortiLink



1. Log in to the FortiGate and go to WiFi & Switch Controller -> FortiLink Interface.
2. Add a FortiGate Port in the FortiLink interface
3. When the device is discovered, select Authorise
  - **Optional:** To automatically authorise the device upon discovery, enable Automatically authorise devices in the FortiLink Interface settings

## FortiLAN Cloud



1. Visit <https://support.fortinet.com> for registration and a cloud management license.
2. Sign in at <https://fortilan.forticloud.com> to manage your Inventory List

## RackMount

1. Secure the ears using the provided screws

- **FS-SASE-124G**



- **FS-SASE-124G-FPOE**



2. Install in a rack using the provided screws

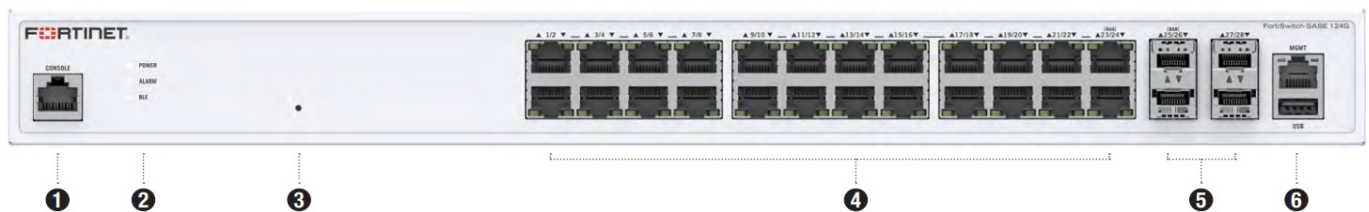
- **FS-SASE-124G**



- **FS-SASE-124G-FPOE**



## Front FS-SASE-124G




1. CONSOLE Port (RJ45)


2. POWER

-  **Green:** Device is on

-  **Off:** Device is off

- **ALARM**

-  **Amber:** Fault detected

-  **Off:** No fault detected

- **BLE** (for future use)

-  **Blue:** BLE on

-  **Flashing Blue:** BLE in discovery








-  **Off:** BLE off

3. **RESET** Press and hold for 10 seconds to restore factory default settings






4. **Ports 1 to 24 (RJ45), Ports 23 & 24 are SASE WAN Ports**

- Left LED (100M/10M Mbps)


-  **Amber:** Connected

-  **Flashing Amber:** Data activity
-  **Off:** Not connected
-  **Blue:** 2.5 Gbps connected
-  **Flashing Blue:** 2.5 Gbps data activity
-  **Green:** 1 Gbps connected
-  **Flashing Green:** 1 Gbps data activity
-  **Off:** Not connected




#### 5. Ports 25 to 28 (SFP+), Ports 25 & 26 are SASE WAN Ports

-  **Blue:** 10 Gbps connected
-  **Flashing Blue:** 10 Gbps data activity
-  **Green:** 1 Gbps/100 Mbps connected
-  **Flashing Green:** 1 Gbps/100 Mbps data activity
-  **Off:** Not connected

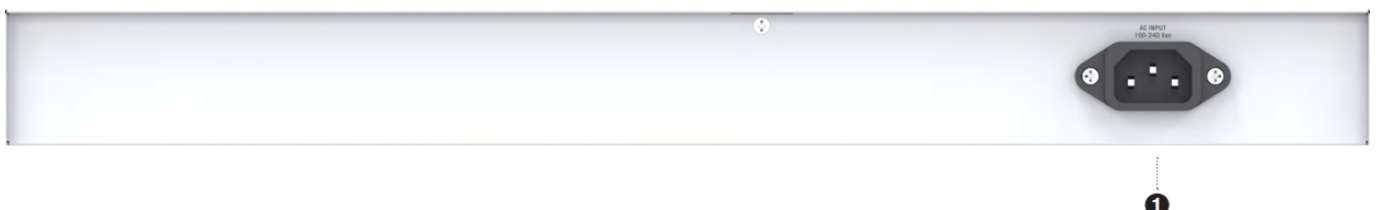
#### 6. USB 2.0 Port (USB A) for future use

- **MGMT (RJ45)**
- **LINK/ACT (Left LED)**
-  **Green:** Connected
-  **Flashing Green:** Data activity
-  **Off:** Not connected

#### 7. SPEED (Right LED)

-  **Green:** 1 Gbps
-  **Amber:** 100 Mbps
-  **Off:** 10 Mbps or not connected

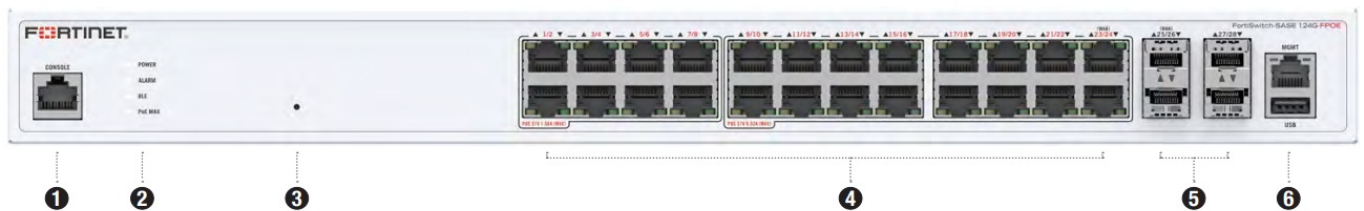
### Rear FS-SASE-124G



1. Power Input 100-240V AC, 1.5A Max, 50/60Hz










### Front FS-SASE-124G-FPOE













1. CONSOLE Port (RJ45)

2. POWER






-  **Green:** Device is on
-  **Off:** Device is off
- **ALARM**
-  **Amber:** Fault detected
-  **Off:** No fault detected
- **BLE** (for future use)
-  **Blue:** BLE on
-  **Flashing Blue:** BLE in discovery
-  **Off:** BLE off
- **PoE MAX (up to ##W)**
-  **Amber:** Max PoE power reached
-  **Off:** PoE+ available

3. **RESET** Press and hold for 10 seconds to restore factory default settings







4. **Ports 1 to 24 (RJ45), Ports 23 & 24 are SASE WAN Ports**

- **Left LED (100M/10M Mbps)**
-  **Amber:** Connected
-  **Flashing Amber:** Data activity
-  **Off:** Not connected
- **Right LED (2.5/1 Gbps)**
-  **Blue:** 2.5 Gbps connected
-  **Flashing Blue:** 2.5 Gbps data activity
-  **Green:** 1 Gbps connected
-  **Flashing Green:** 1 Gbps data activity
-  **Off:** Not connected

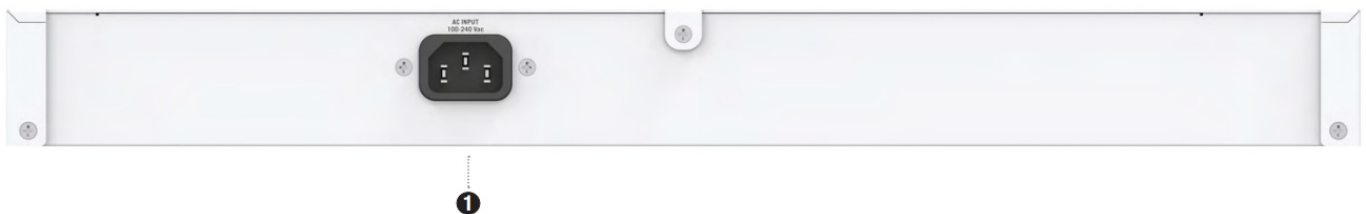
5. **Ports 25 to 28 (SFP+), Ports 25 & 26 are SASE WAN Ports**

-  **Blue:** 10 Gbps connected
-  **Flashing Blue:** 10 Gbps data activity
-  **Green:** 1 Gbps/100 Mbps connected
-  **Flashing Green:** 1 Gbps/100 Mbps data activity
-  **Off:** Not connected

## 6. USB 2.0 Port (USB A) for future use

- **MGMT (RJ45)**
- **LINK/ACT (Left LED)**
-  **Green:** Connected
-  **Flashing Green:** Data activity
-  **Off:** Not connected
- **SPEED (Right LED)**
-  **Green:** 1 Gbps
-  **Amber:** 100 Mbps
-  **Off:** 10 Mbps or not connected

## Rear FS-SASE-124G-FPOE



1. Power Input 100-240V AC, 12A Max, 50/60Hz

## Cautions and Warnings

### Environmental specifications

- **Ambient operating temperature:** 0°C to 45°C
- **Rack Mount Instructions** – The following or similar rack-mount instructions are included with the installation instructions:
- **Elevated Operating Ambient** – If installed in a closed or multi-unit 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 ambient temperature (T<sub>ma</sub>) specified by the manufacturer.
- **Reduced Air Flow** – Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
- **Mechanical Loading** – Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- **Circuit Overloading** – Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring.
- Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- **Reliable Earthing** – Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).
- Refer to the specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)

## Safety

- **Battery** – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire.
- They may explode. Dispose of used batteries according to your local regulations.
- **IMPORTANT:** Switzerland: Annexe 4.10 of SR814.013 applies to batteries.
- **CAUTION:** There is a danger of explosion if a battery is incorrectly replaced. Replace only with the same or equivalent type.
- Dispose of batteries according to the manufacturer's instructions.
- Disposing of a battery into fire, a hot oven, mechanically crushing, or cutting it can result in an explosion.
- Leaving a battery in an extremely hot environment can result in leakage of flammable liquid, gas, or an explosion.
- If a battery is subjected to extremely low air pressure, it may result in leakage of flammable liquid, gas, or an explosion.
- **Caution:** This equipment is to be used in a Network Environment 0 per IEC 62101.

This product is connected only to PoE networks without routing to the outside plant.

- **Grounding** — To prevent damage to your equipment, connections that enter from outside the building should pass through a lightning/surge protector and be properly grounded.
- Use an electrostatic discharge workstation (ESD) and/or wear an anti-static wrist strap while you work. In addition to the grounding terminal of the plug, on the back panel, there is another, separate terminal for earthing.
- This product has a separate protective earthing terminal provided on the back of the product in addition to the grounding terminal of the attachment plug.
- This separate protective earthing terminal must be permanently connected to earth with a green with yellow stripe conductor minimum size # 14AWG, and the connection is to be installed by a qualified service personnel.

## Regulatory Notices

### Federal Communications Commission (FCC) – USA

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference,
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, under Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used per the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

**WARNING:** Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment complies with FCC radiation exposure limits set forth for an

uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## **Innovation, Science and Economic Development (ISED) – Canada**

CAN ICES-003 (A) / NMB-003 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

This radio transmitter (IC: 7280B-240701) has been approved by ISED to operate with the antenna types listed below, with the maximum permissible gain and required antenna impedance for each antenna type indicated.

Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

This device and its antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except under IC multi-transmitter product procedures.

<b>Antenna No.</b>	<b>Antenna Type</b>	<b>Antenna Peak Gain</b>	<b>Network</b>
1	FPC	2.0 dBi	Bluetooth

## European Conformity (CE) – EU

- **CE** This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.
- **The product transmits within the frequency ranges and less than or equal to the power listed below:** 2402-2480MHz, less than 20dBm
- This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

## Simplified EU Declaration of Conformity

- This declaration is only valid for Fortinet products (including combinations of software, firmware and hardware) provided by Fortinet or Fortinet's authorised partners to the end customer directly for use within the EU or countries that have implemented the EU Directives and/or spectrum regulation. Any Fortinet products not obtained directly from Fortinet or Fortinet's authorised partners may not comply with EU Directives, and Fortinet makes no assurances for such products.
- This product complies with Directive 2014/53/EU.
- **Note:** The full declaration of conformity for this product is available at the link:  
<https://site.fortinet.com/ProductRegulatory/EU>

## UK Conformity Assessed (UKCA) – United Kingdom

- The product transmits within the frequency ranges and less than or equal to the power listed below: 2402-2480MHz, less than 20dBm
- This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.
- This product complies with Statutory Instrument 1206 Radio Equipment Regulations 2017
- The full Declaration of Conformity for this product is available in the link below:  
<https://site.fortinet.com/ProductRegulatory/UK>

September 5, 2024


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- FortiSwitch-SASE-124G-Series-QSG-20240905

## FAQ

- **How do I access the default login for the device?**
  - To access the default login, go to <https://192.168.1.99>.
  - The username is admin, and the password should be left blank.
- **Where can I find additional documentation and admin guides?**
  - You can find more documentation and admin guides at <https://docs.fortinet.com/> for reference resources.
- **How do I integrate FortiSASE with the device?**

- To configure your device as an L3 switch using the SASE WAN Ports, refer to the FortiSASE Admin Guide at <https://docs.fortinet.com/product/fortisase>.

## Documents / Resources

	<a href="#">FORTINET SASE 124G Series Ethernet Switch [pdf]</a> User Guide FS-SASE-124G, FS-SASE-124G-FPOE, SASE 124G Series Ethernet Switch, SASE 124G Series, Ethernet Switch, Switch
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## References

- [User Manual](#)

■ FORTINET

◆ Ethernet Switch, FORTINET, FS-SASE-124G, FS-SASE-124G-FPOE, SASE 124G Series, SASE 124G Series Ethernet Switch, switch

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