Manuals+ — User Manuals Simplified.

FURTINET
FORTINET FS-124G, FS-124G-FPOE Network Switch

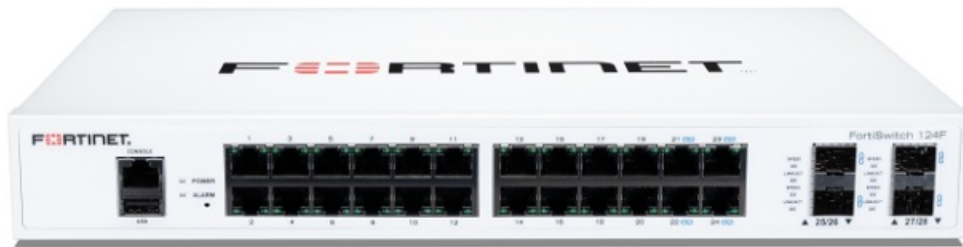# FORTINET FS-124G, FS-124G-FPOE Network Switch User Guide

Contents

FURTINET

FORTINET FS-124G, FS-124G-FPOE Network Switch

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 the provided 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

Package Contents

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

1x FortiSwitch Device

1x QuickStart Guide

4x Rubber Feet

1x AC Power Cable
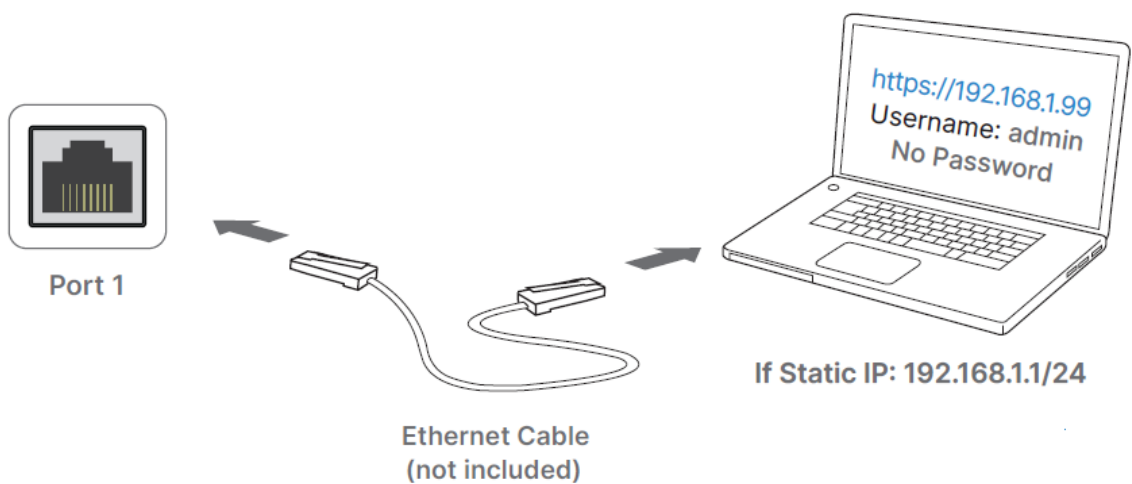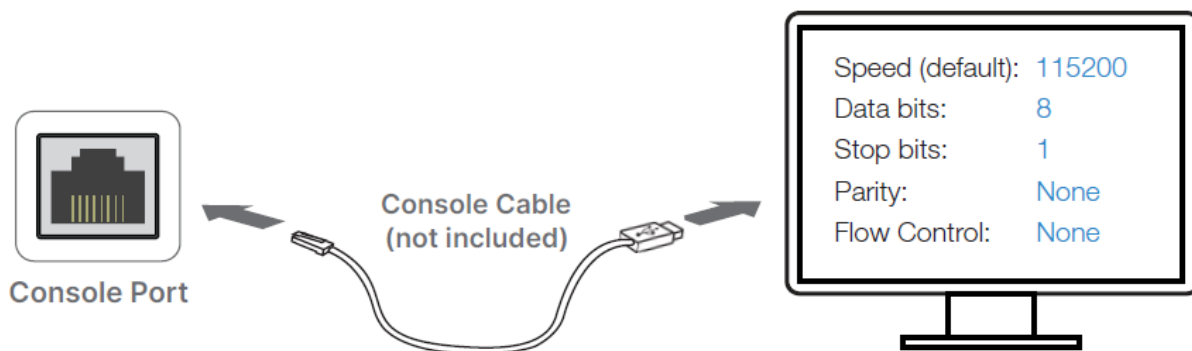
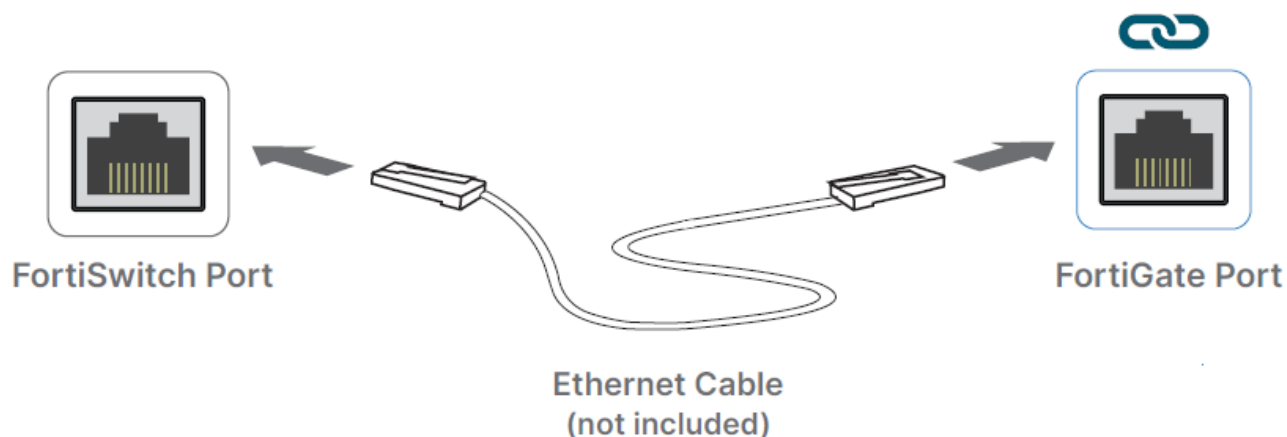2x Rackmount Brackets,
6x Bracket Screws

Setup

GUI

https://192.168.1.99
Username: admin
No Password

Port 1

If Static IP: 192.168.1.1/24

Ethernet Cable
(not included)

CLI

Speed (default):	115200
Data bits:	8
Stop bits:	1
Parity:	None
Flow Control:	None

Console Port

Console Cable
(not included)

FortiLink

**FortiSwitch Port**

Ethernet Cable
(not included)

FortiGate Port

1. Login 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 Authorize

Optional: To automatically authorize the device upon discovery, enable Automatically authorize devices in the FortiLink Interface settings

FortiLAN Cloud

FortiSwitch Port

Ethernet Cable
(not included)

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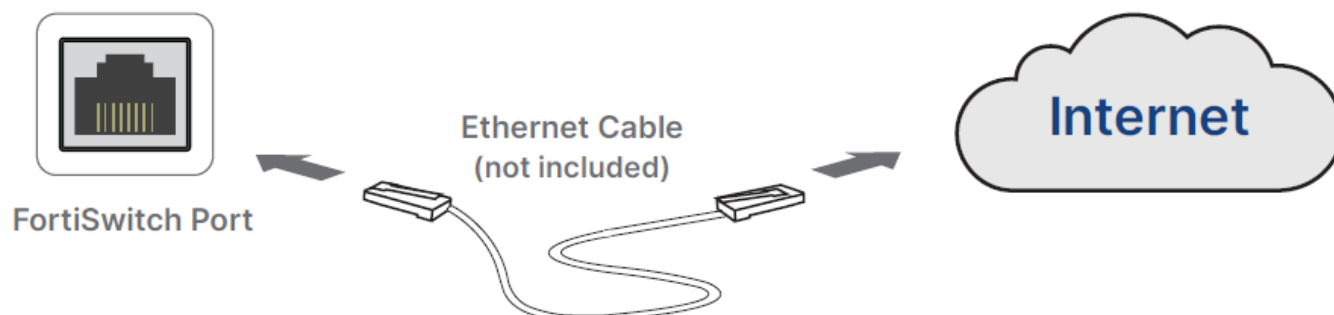
1. Visit **https://support.fortinet.com** for registration and cloud management license
2. Sign in at **https://fortilan.forticloud.com** to manage your Inventory List
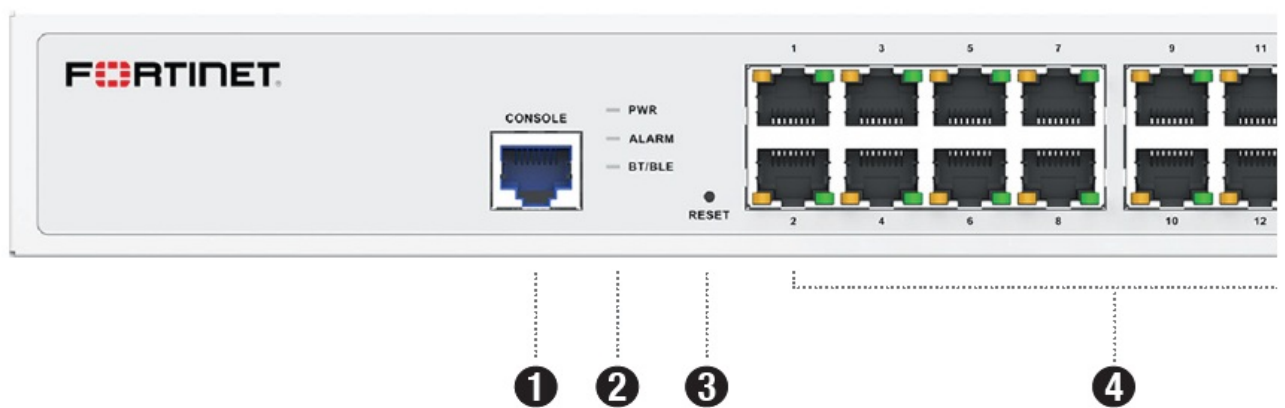
RackMount

1. Secure the ears using the provided screws

2. Install in a rack using the provided screws

Front FS-124G

CONSOLE Port (RJ-45) CLI management

PWR

Green: Device is on

Off: Device is off

ALARM

Amber: Fault detected

Off: No fault detected

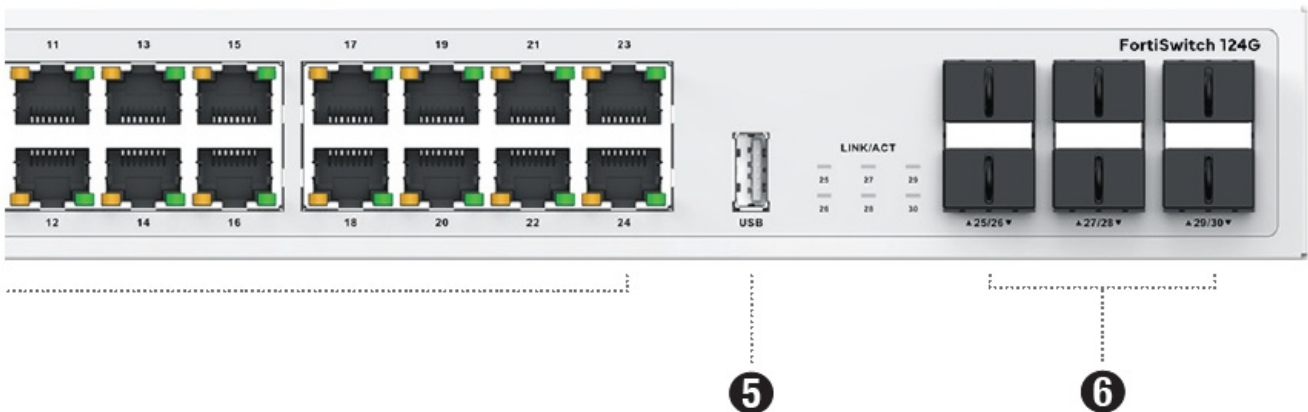**BT/BLE (for future use)**

Blue: Bluetooth on

Off: Bluetooth off

RESET Press and hold for 10secs to restore factory default settings

Ports 1 to 24 (RJ45) 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

USB 2.0 Port (USB A) for future use

Ports 25 to 30 (SFP+) Link/Activity

 Blue: 10 Gbps connected

 Flashing Blue: 10 Gbps data activity

 Green: 1 Gbps/100 Mbps connected

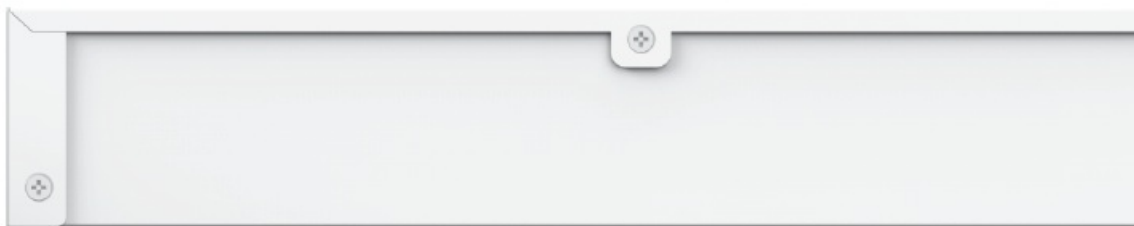 Flashing Green: 1 Gbps/100 Mbps data activity

 Off: Not connected

Rear FS-124G

1. Power Input 100-240V AC, 1.5A Max, 50/60Hz
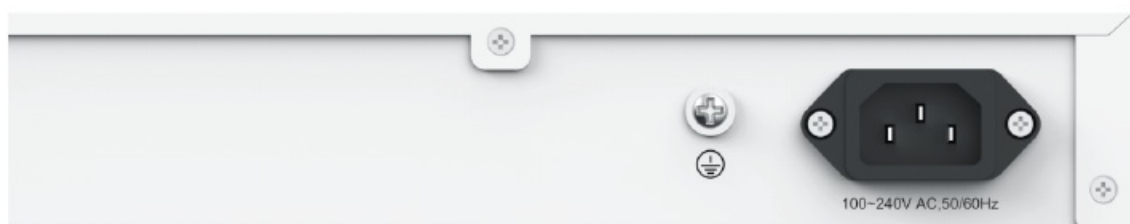
Front FS-124G-FPOE
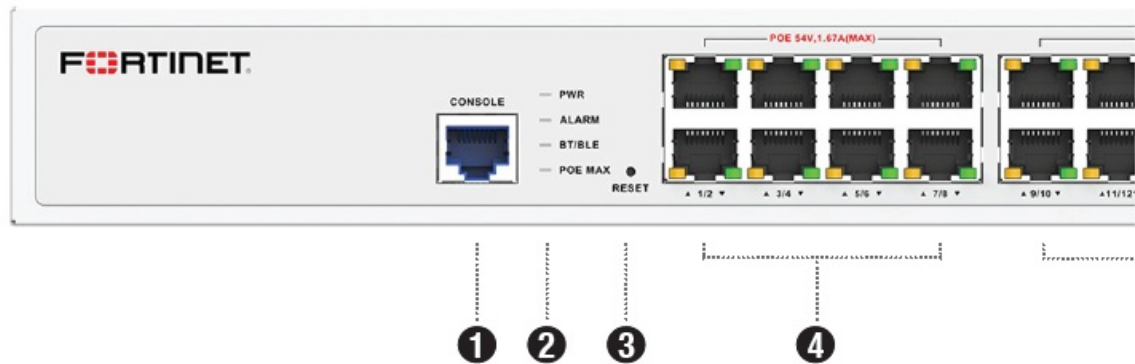
CONSOLE Port (RJ45) CLI management

1. PWR

   ■ Green: Device is on

   ■ Off: Device is off

   ALARM

   ■ Amber: Fault detected

   ■ Off: No fault detected

   BT/BLE (for future use)

   ■ Blue: Bluetooth on

   ■ Off: Bluetooth off

   POE MAX (up to 780W)

   ■ Amber: Max PoE power reached

   ■ Off: PoE power available

2. RESET Press and hold for 10secs to restore factory default settings

3.

   Ports 1 to 8 (RJ45) PoE++

   Left LED

   ■ Amber: Supplying PoE

   ■ Off: Not suppling PoE

4. Ports 9 to 24 (RJ45) PoE/PoE+

   Left LED

 Amber: Supplying PoE

 Off: Not suppling PoE

5. USB 2.0 Port (USB A) for future use
6. Ports 25 to 30 (SFP+)

Link/Activity

 Blue: 10 Gbps connected

 Flashing Blue: 10 Gbps data activity

 Green: 1 Gbps/100 Mbps connected
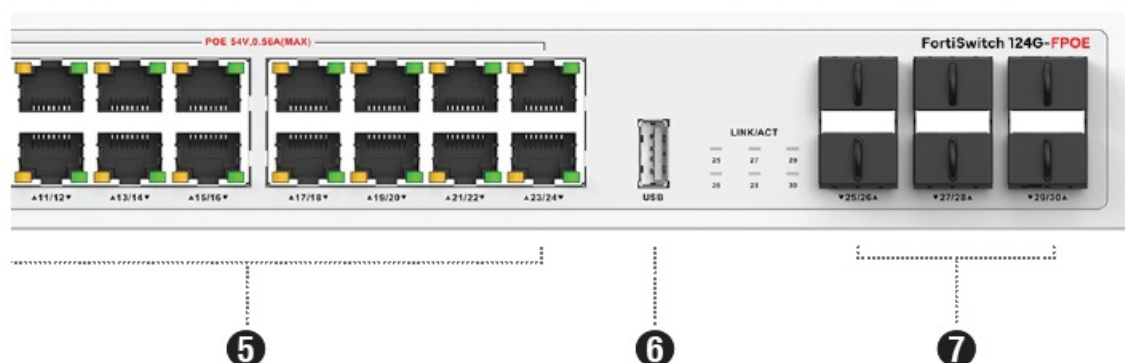
 Flashing Green: 1 Gbps/100 Mbps data activity

 Off: Not connected

Right LED

 Blue: 2.5 Gbps connected

 Flashing Blue: 2.5 Gbps data activity

 Green: 1000/100/10 Mbps connected

 Flashing Green: 1000/100/10 Mbps data activity

 Off: Not connected

Right LED

 Blue: 2.5 Gbps connected

 Flashing Blue: 2.5 Gbps data activity
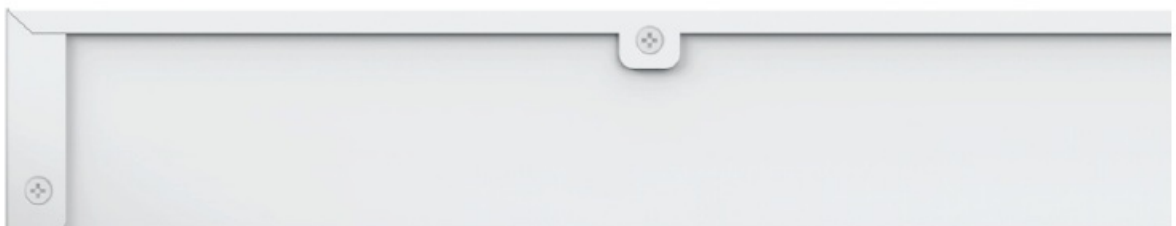
 Green: 1000/100/10 Mbps connected

 Flashing Green: 1000/100/10 Mbps data activity

 Off: Not connected

Rear FS-124G-FPOE

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

100~240V AC,50/60Hz

❶

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 room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) 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 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: Annex 4.10 of SR814.013 applies to batteries.

CAUTION:

- There is a danger of explosion if a battery is incorrect replaced. Replace only with the same or equivalent type.

- Dispose batteries of according to the manufacturer's instructions.
- Disposing 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 per IECTR 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.

FCC STATEMENT

Regulatory Notices
Federal Communication 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, and
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, pursuant to 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 in accordance with 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 minimum distance 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 Regulaxtions 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:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This

equipment should be installed and operated with minimum distance 20cm between the radiator and 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 it's antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with IC multi-transmitter product procedures.

Antenna No.	Antenna Type	Antenna Peak Gain	Network
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 (EIRP). This equipment should be installed and operated with minimum distance 20cm between the radiator and 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 authorized 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 authorized partners may not comply with EU Directives and Fortinet makes no assurances for such products.

This product is in compliance 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 (EIRP).
- This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
- This product is in compliance 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

October 16, 2024

Fortinet enters a binding written contract, signed by Fortinet's SVP Legal and above, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.

For Product License Agreement / EULA and Warranty Terms, visit
https://www.fortinet.com/content/dam/fortinet/assets/legal/EULA.pdf

FortiSwitch-124G-Series-QSG-20241016

FAQ:

- **Q: How do I reset the device to factory default settings?**

  A: Press and hold the RESET button for 10 seconds to restore factory default settings.

- **Q: How can I manage the device through FortiLAN Cloud?**

  A: Visit **https://support.fortinet.com** for registration and cloud management license, then sign in at

  https://fortilan.forticloud.com to manage your Inventory List.

Documents / Resources

FORTINET FS-124G, FS-124G-FPOE Network Switch [pdf] User Guide
TVE-240701, TVE240701, 240701, FS-124G FS-124G-FPOE Network Switch, FS-124G FS-124G-FPOE, Network Switch, Switch

References

- **User Manual**