



# FORTINET FortiSwitch 1024E Series Switch Controller User Guide

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## FortiSwitch 1024E Series FS-1024E, FS-T1024E QuickStart Guide

### Before you begin

Register your device to access FortiGuard updates, cloud management, firmware upgrades, technical support and warranty coverage.

<http://support.fortinet.com>

May 02, 2022

This guide covers models: FS-1024E and FS-T1024E

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## The Essentials



### Default Logins

<https://192.168.1.99>

Username: admin

Password: leave blank

### Admin Guide

For a detailed Getting Started guide, setup and configuration information, refer to the Admin Guide on

<https://docs.fortinet.com/>

### Customer Service

For contracts, licensing, product registration and account management, contact FortiCare Support at

<https://www.fortinet.com/support/contact>

### Self-service Resources

Access our knowledge base, forums, videos and technical experts at

<https://www.fortinet.com/support/support-services/forticare-support>

Thank you for choosing Fortinet

## Package Contents

### FortiSwitch 1024E Series

FS-1024E and FS-T1024E



FortiSwitch Device



QuickStart Guide



2x AC Power Cables



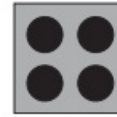
1x Console Cable (RJ45 to USB)



2x Rack Mount Brackets



8x Bracket Screws

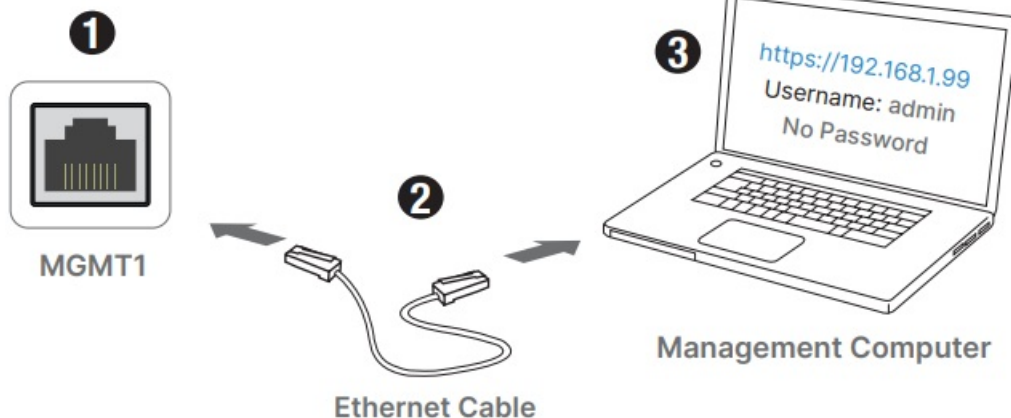


4x Rubber Feet

## Setup Options

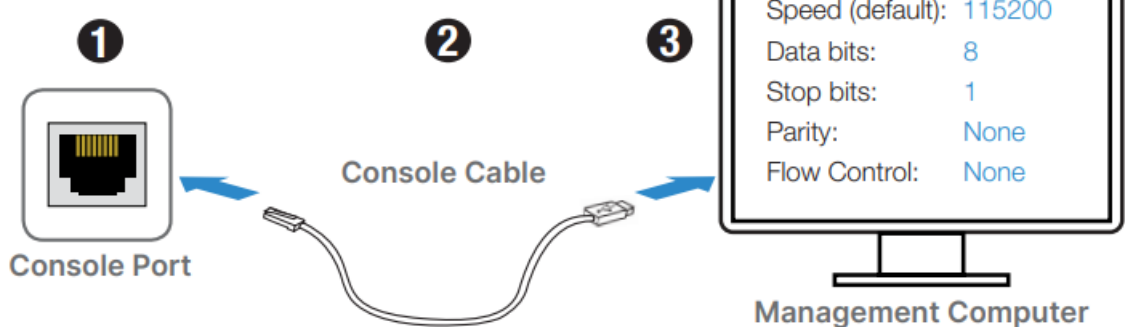
Set up your Fortinet device locally or use cloud management mode.

### GUI



**Note:** For static IP configuration, use 192.168.1.1 with subnet mask 255.255.255.0

### CLI



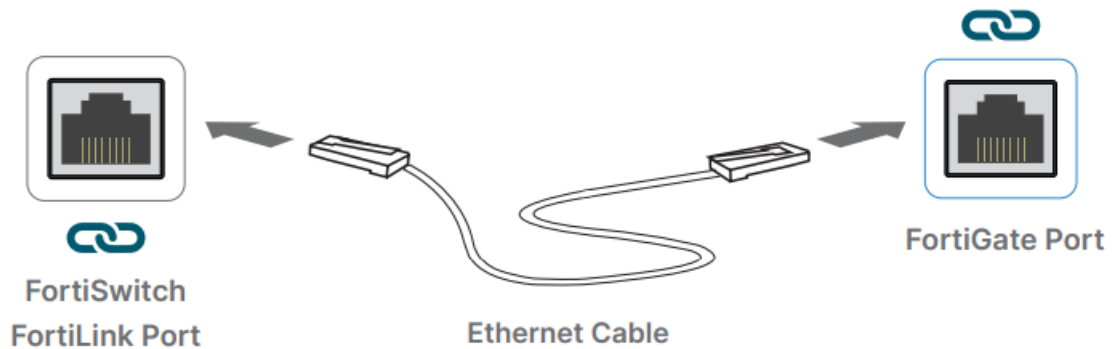
**Note:** For a detailed CLI guide, visit [docs.fortinet.com](https://docs.fortinet.com)

## Cloud Management

(Connect a port to the Internet)

1. Visit [support.fortinet.com](https://support.fortinet.com) to register your device and cloud management license
2. Sign in at <https://fortilan.forticloud.com> to manage your Inventory List

## FortiLink

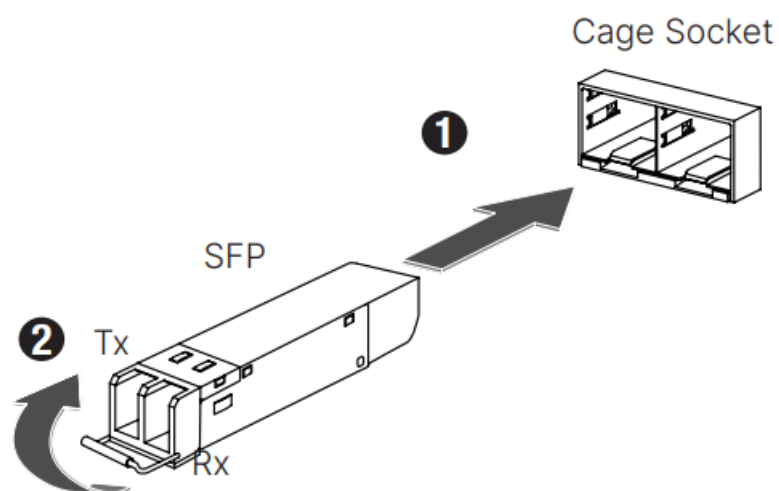


**Note:** Connect the FortiSwitch Port to FortiGate Port that is not an HA port

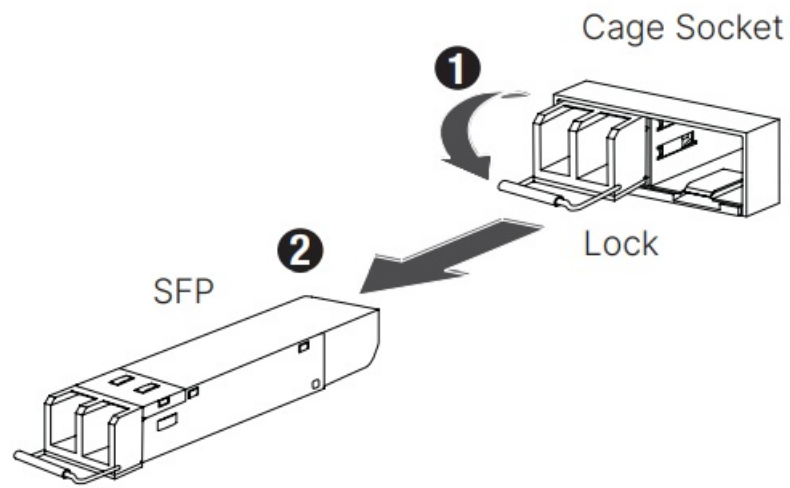
1. Login to the FortiGate and go to WiFi & Switch Controller -> FortiLink Interface
2. Add a FortiGate Port in the FortiLink interface and choose Automatically authorize devices
3. When the FortiSwitch is online in the WiFi & Switch Controller -> Managed FortiSwitch section, you can now manage your FortiSwitch

## SFP Modules

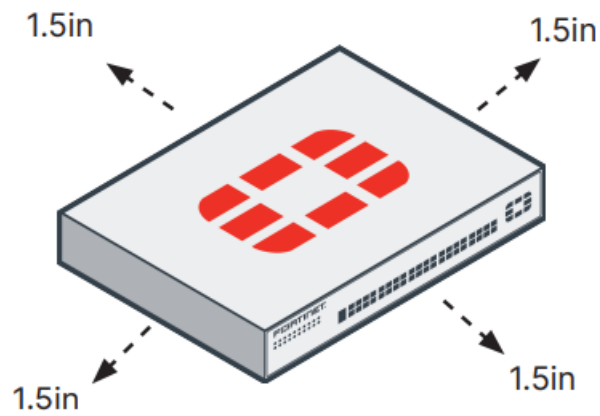
### Installation



### Removal

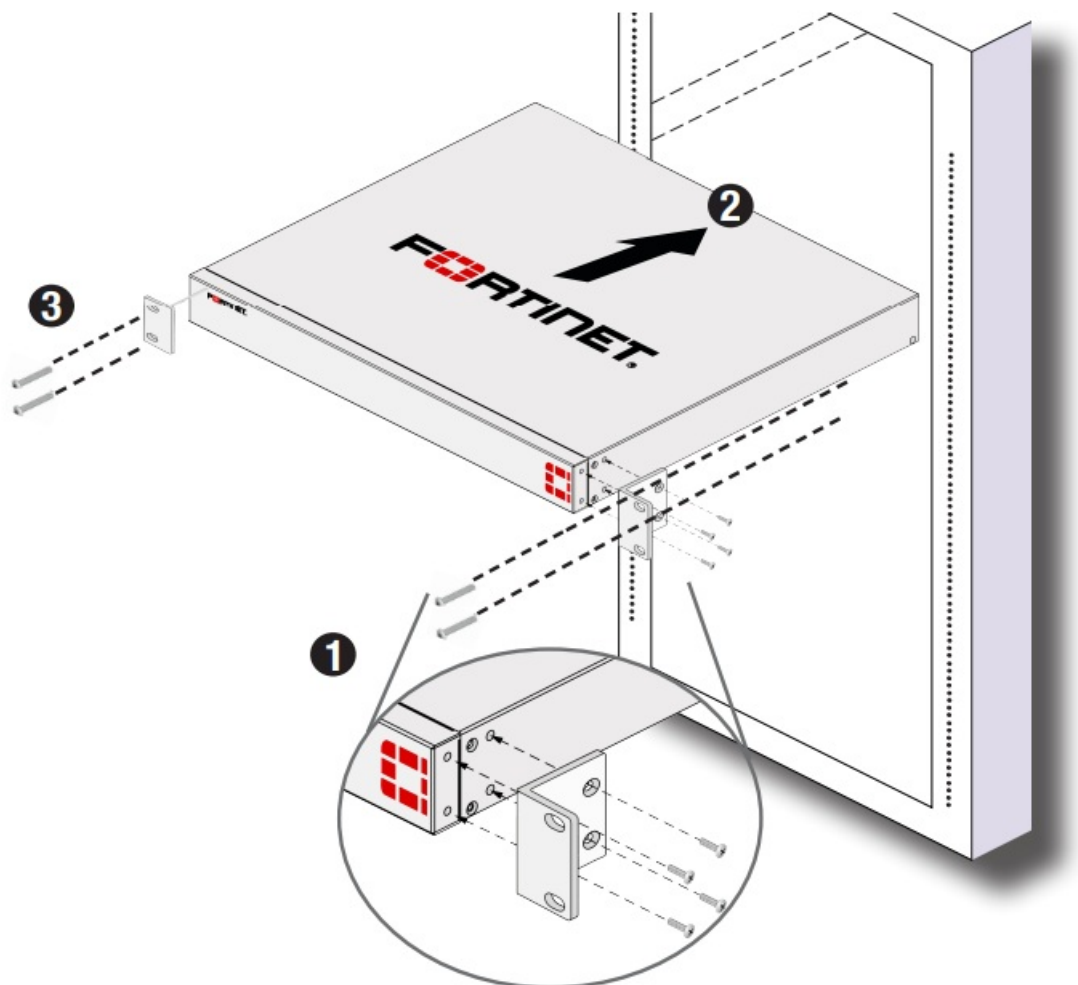


## Desktop Mount



**Note:** Place the device on a flat, clean and stable surface.

## Rack Mount

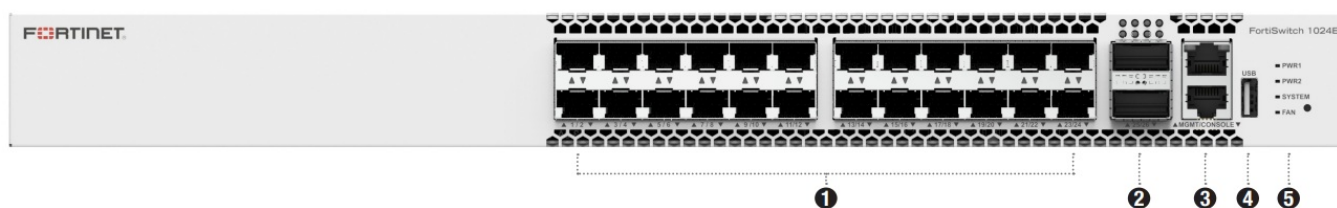


*Rack mount brackets may vary as shown above*

**Note:** The recommended clearance is 1.5 inches above and below the device.

**Caution:** To avoid personal injury or damage to the device, it is recommended that two or more people mount the device on a rack.

## FS-1024E



1. Ports 1 to 24 (SFP+) 10 Gbps ports



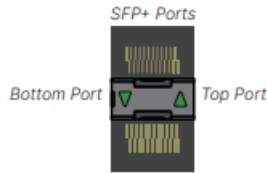
Green: Link established






Flashing Green: Transmitting data

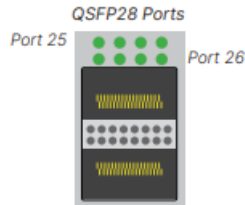


Off: No link established






## 2. Ports 25 to 26 (QSFP28) 100 Gbps ports


-  Green: Link established
-  Flashing Green: Transmitting data
-  Off: No link established




## 3. MGMT (RJ45) 1GE for device management, default IP 192.168.1.99

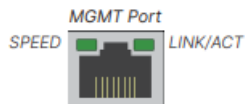
-  Green: Connected at 1 Gbps
-  Amber: Connected at 100 Mbps
-  Off: Connected at 10 Mbps or off

-  Green: Link established

LINK/ACT  Flashing Green: Data activity




-  Off: No link established

CONSOLE (RJ45) CLI management computer interface






## 4. USB (USB A) USB 2.0 server port



### 5. PWR1

-  Green: Power supply 1 supplying power
-  Flashing Amber: Power supply 1 failure
-  Off: Power supply 1 is disconnected

### PWR2

-  Green: Power supply 2 supplying power
-  Flashing Amber: Power supply 2 failure
-  Off: Power supply 2 is disconnected

### SYSTEM

-  Green: Operating normally
-  Flashing Green: Booting up

● Red: System failure

#### FAN

● Green: Fans operating normally

■ Amber: Fan failure

#### 6. FANS Swappable fans

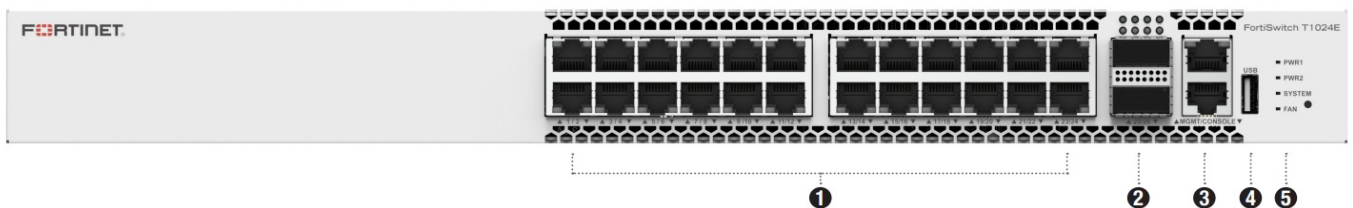
#### 7. POWER SUPPLIES Swappable and redundant, 100-240V AC, 3.8A-1.5A, 50-60Hz

● Green: Operating normally

● Red: No power cord connection or power failure




### FS-T1024E



#### 1. Ports 1 to 24 (RJ45) 10GE ports

■ Green: Link established

LINK/ACT  Flashing Green: Data activity

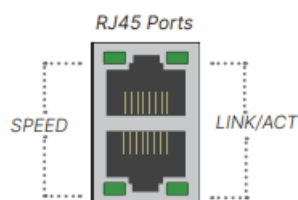
■ Off: No link established

#### ALARM

■ Green: Connected at 10 Gbps


SPEED ■ Amber: Linked at 5 Gbps/ 2.5 Gbps/ 1 Gbps

■ Off: Linked at 100 Mbps or no link established



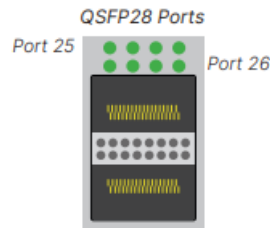
#### 2. Ports 25 to 26 (QSFP28) 100 Gbps ports

● Green: Link established

 Flashing Green: Transmitting data



● Off: No link established



3. MGMT (RJ45) 1GE for device management, default IP 192.168.1.99

■ Green: Connected at 1 Gbps

SPEED ■ Amber: Connected at 100 Mbps

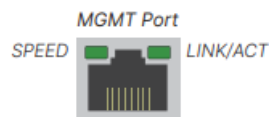
■ Off: Connected at 10 Mbps or off

■ Green: Link established

LINK/ACT  Flashing Green: Data activity

■ Off: No link established

CONSOLE (RJ45) CLI management computer interface



4. USB (USB A) USB 2.0 server port

5. PWR1

● Green: Power supply 1 supplying power

 Flashing Amber: Power supply 1 failure

● Off: Power supply 1 is disconnected

PWR2


● Green: Power supply 2 supplying power

 Flashing Amber: Power supply 1 failure

● Off: Power supply 2 is disconnected

SYSTEM

● Green: Operating normally

 Flashing Green: Booting up

● Red: System failure

FAN

● Green: Operating normally

■ Amber: Fan failure

6. FANS Swappable fans

7. POWER SUPPLIES Swappable and redundant, 100-240V AC, 3.8A-1.5A, 50-60Hz

- Green: Operating normally
- Red: No power cord connection or power failure



## 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 (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 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:** Shock Hazard. Disconnect all power sources.

### Regulatory Notices

#### Federal Communication Commission (FCC) – USA

This device complies with Part 15 of 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

#### **Industry Canada Equipment Standard for Digital Equipment (ICES) – 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.

#### **European Conformity (CE) – EU**

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.



**Voluntary Control Council for Interference (VCCI) – Japan**

**Product Safety Electrical Appliance & Material (PSE) – Japan**


**Bureau of Standards Metrology and Inspection (BSMI) – Taiwan**

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:

<https://www.fortinet.com/bsmi>



## **Documents / Resources**

 <p>FortiSwitch 1024E Series FS-1024E, FS-T1024E</p> <p>QuickStart Guide</p>	<p><a href="#">FORTINET FortiSwitch 1024E Series Switch Controller</a> [pdf] User Guide FS-1024E, FS-T1024E, FortiSwitch 1024E Series Switch Controller, FortiSwitch, 1024E Series Switch Controller, Series Switch Controller, Switch Controller, Controller</p>
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## **References**

- [Fortinet Global Leader of Cybersecurity Solutions and Services | Fortinet](#)
- [Welcome](#)
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- [User Manual](#)