

# QuickStart Guide

FortiWeb High-End Series

FWB-2000F, FWB-3000F, FWB-4000F

## Product Registration

Thank you for purchasing a Fortinet Appliance.

Manage and Access:

- Cloud Management
- FortiGuard Updates
- Firmware Upgrades
- Technical Support
- Warranty Coverage

Register your Fortinet Appliance:

Vous devez enregistrer le produit:

Debe registrar el producto:

登録のお願い:

请马上注册:

<http://support.fortinet.com>



March 10, 2022

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## Box Includes - FortiWeb 2000F



FortiWeb 2000F



QuickStart Guide



2x Power Cable



1x Console Cable  
(USB to RJ45)



1x Ethernet Cable



2x HDD Tray Keys



1x Rail Mount Kit  
(screws included)



2x Handles, 4x Screws



4x Rubber Feet

## Front - FortiWeb 2000F



### 1 Disk Storage 2×480GB SSD

### 2 Power Button

- **Blue:** Device is on
- **Off:** Device is off

### 3 System Management

- R:** System reboot button
- F:** Factory default reset button
- N:** NMI debug button

**STA:** System status indicator

- **Green:** System operating normally
- **Red:** Critical system error
- **Flashing Red:** Minor system error

### 4 Management Ports MGMT1 192.168.1.99, MGMT2 192.168.2.99

- |   |  |
|---|--|
| <b>ACT</b>                                    | <b>LINK</b>                                    |
| ■ <b>Green:</b> Link established, no activity | ■ <b>Amber:</b> Link established at 1000Mbps   |
| ● <b>Flashing Green:</b> Data activity        | ■ <b>Green:</b> Link established at 100Mbps    |
| ■ <b>Off:</b> No link established             | ■ <b>Off:</b> No link established or at 10Mbps |

#### Power Supply Status

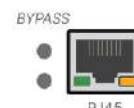
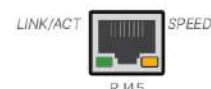
- **Green:** Power supplies operating normally
- **Red:** Power supply error

### 5 Console Port (RJ-45) CLI management computer interface

**USB Ports (USB A)** 3.0 server ports

### 6 Ports 1 to 4 (RJ-45) GE Ethernet ports

- |                 |   |  |
|-----------------|---|--|
| <b>LINK/ACT</b> | ■ <b>Green:</b> Link established, no activity               | ● <b>Flashing Green:</b> Data activity |
|                 | ■ <b>Off:</b> No link established                           |  |
| <b>SPEED</b>    | ■ <b>Amber:</b> Link established at 1000Mbps                |  |
|                 | ■ <b>Green:</b> Link established at 100Mbps                 |  |
|                 | ■ <b>Off:</b> No link established or at 10Mbps              |  |
| <b>BYPASS</b>   | ■ <b>Green:</b> Bypass disabled, normal traffic flow to CPU |  |
|                 | ■ <b>Red:</b> Bypass active, traffic flows to the bypass    |  |
|                 | ■ <b>Off:</b> Open mode active, traffic drops               |  |



### 7 Ports 5 to 8 (SFP) 1Gbps network connections

- **Green:** Link established at 1Gbps
- **Flashing Green:** Data activity
- **Off:** No link established



### 8 Ports 9 to 12 (SFP+) 10Gbps network connections

- |                 |   |  |
|-----------------|---|--|
| <b>LINK/ACT</b> | ■ <b>Green:</b> Link established, no activity | ● <b>Flashing Green:</b> Data activity |
|                 | ■ <b>Off:</b> No link established             |  |
| <b>SPEED</b>    | ■ <b>Blue:</b> Link established at 10Gbps     |  |
|                 | ■ <b>Off:</b> No link established             |  |



## Rear - FortiWeb 2000F



**1** Power Switch Appliance On/Off

**2** Redundant Hot-Swappable Power Supplies 100-240V AC, 10-5A, 50-60Hz

## Box Includes - FortiWeb 3000F



FortiWeb 3000F



QuickStart Guide



2x Power Cable



1x Console Cable  
(USB to RJ45)



1x Ethernet Cable



2x HDD Tray Keys



1x Rail Mount Kit  
(screws included)



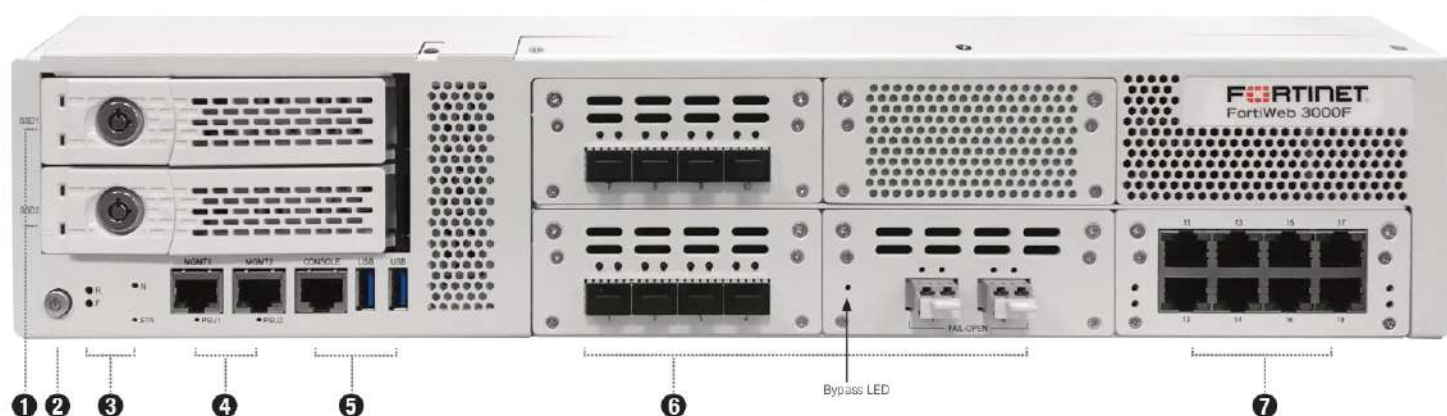
2x Handles, 4x Screws



4x Rubber Feet



## Front - FortiWeb 3000F



### 1 Disk Storage 2× 960GB SSD

### 2 Power Button

- Blue: Device is on
- Off: Device is off

### 3 System Management

- R: System reboot button
- F: Factory default reset button
- N: NMI debug button

STA: System status indicator

- Green: System operating normally
- Red: Critical system error
- Flashing Red: Minor system error

### 4 Management Ports MGMT1 192.168.1.99, MGMT2 192.168.2.99

- |                                      |                                       |
|--------------------------------------|---------------------------------------|
| ACT                                  | LINK                                  |
| Green: Link established, no activity | Amber: Link established at 1000Mbps   |
| Flashing Green: Data activity        | Green: Link established at 100Mbps    |
| Off: No link established             | Off: No link established or at 10Mbps |

#### Power Supply Status

- Green: Power supplies operating normally
- Red: Power supply error

### 5 Console Port (RJ-45) CLI management computer interface

USB Ports (USB A) 3.0 server ports

### 6 Ports 1 to 10 (SFP+) 10Gbps network connections

- |          |   |          |
|----------|---|----------|
| LINK/ACT | <ul style="list-style-type: none"> <li>Green: Link established, no activity</li> <li>Flashing Green: Data activity</li> <li>Off: No link established</li> </ul> | LINK/ACT |
| SPEED    | <ul style="list-style-type: none"> <li>Blue: Link established at 10Gbps</li> <li>Off: No link established or at 1Gbps</li> </ul>                                | SPEED    |

#### Ports 5 & 6 (SFP+) 10Gbps Bypass connections

- |        |   |        |
|--------|---|--------|
| BYPASS | <ul style="list-style-type: none"> <li>Green: Bypass disabled, normal traffic flow to CPU</li> <li>Red: Bypass active, traffic flows to the bypass</li> <li>Off: Open mode active, traffic drops</li> </ul> | BYPASS |
|--------|---|--------|

### 7 Ports 11 to 18 (RJ-45) GE Ethernet ports

- |          |  |          |
|----------|--|----------|
| LINK/ACT | <ul style="list-style-type: none"> <li>Green: Link established, no activity</li> <li>Flashing Green: Data activity</li> <li>Off: No link established</li> </ul>                  | LINK/ACT |
| SPEED    | <ul style="list-style-type: none"> <li>Amber: Link established at 1000Mbps</li> <li>Green: Link established at 100Mbps</li> <li>Off: No link established or at 10Mbps</li> </ul> | SPEED    |

#### Ports 11 & 12, 13 & 14, 15 & 16, 17 & 18 (RJ-45) GE Ethernet Bypass ports

- |        |   |        |
|--------|---|--------|
| BYPASS | <ul style="list-style-type: none"> <li>Green: Bypass disabled, normal traffic flow to CPU</li> <li>Red: Bypass active, traffic flows to the bypass</li> <li>Off: Open mode active, traffic drops</li> </ul> | BYPASS |
|--------|---|--------|



## Rear - FortiWeb 3000F



**1** Power Switch Appliance On/Off

**2** Redundant Hot-Swappable Power Supplies 100-240V AC, 10-5A, 50-60Hz

## Box Includes - FortiWeb 4000F



FortiWeb 4000F



QuickStart Guide



2x Power Cable

1x Console Cable  
(USB to RJ45)

1x Ethernet Cable



2x HDD Tray Keys

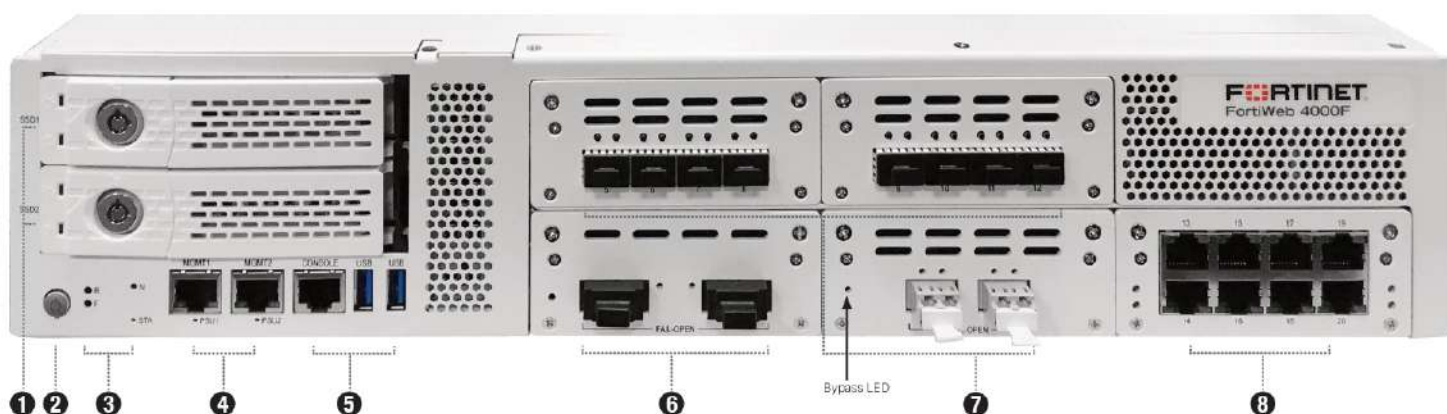
1x Rail Mount Kit  
(screws included)

2x Handles, 4x Screws



4x Rubber Feet

## Front - FortiWeb 4000F



### 1 Disk Storage 2× 960GB SSD

### 2 Power Button

- **Blue:** Device is on
- **Off:** Device is off

### 3 System Management

- R:** System reboot button
- F:** Factory default reset button
- N:** NMI debug button
- STA:** System status indicator
  - **Green:** System operating normally
  - **Red:** Critical system error
  - **Flashing Red:** Minor system error

### 4 Management Ports MGMT1 192.168.1.99, MGMT2 192.168.2.99

- ACT**
  - **Green:** Link established, no activity
  - **Flashing Green:** Data activity
  - **Off:** No link established
- LINK**
  - **Amber:** Link established at 1000Mbps
  - **Green:** Link established at 100Mbps
  - **Off:** No link established or at 10Mbps

#### Power Supply Status

- **Green:** Power supplies operating normally
- **Red:** Power supply error

### 5 Console Port (RJ-45) CLI management computer interface

USB Ports (USB A) 3.0 server ports

### 6 Ports 1 & 2 (QSFP+) 40Gbps network connections

- **Green:** Link established at 40Gbps
- **Flashing Green:** Data activity
- **Off:** No link established
- **Green:** Bypass disabled, normal traffic flow to CPU
- **Red:** Bypass active, traffic flows to the bypass
- **Off:** Open mode active, traffic drops



QSFP+

### 7 Ports 3 to 12 (SFP+) 10Gbps network connections

- **Green:** Link established, no activity
- **Flashing Green:** Data activity
- **Off:** No link established
- **Blue:** Link established at 10Gbps
- **Off:** No link established or at 1Gbps
- **Green:** Bypass disabled, normal traffic flow to CPU
- **Red:** Bypass active, traffic flows to the bypass
- **Off:** Open mode active, traffic drops

### 8 Ports 13 to 20 (RJ-45) GE Ethernet ports

- **Green:** Link established, no activity
- **Amber:** Link established at 1000Mbps
- **Flashing Green:** Data activity
- **Green:** Link established at 100Mbps
- **Off:** No link established
- **Off:** No link established or at 10Mbps

#### Ports 13 & 14, 15 & 16, 17 & 18, 19 & 20 (RJ-45) GE Ethernet Bypass ports

- **Green:** Bypass disabled, normal traffic flow to CPU
- **Red:** Bypass active, traffic flows to the bypass
- **Off:** Open mode active, traffic drops

## Rear - FortiWeb 4000F



**1** Power Switch Appliance On/Off

**2** Redundant Hot-Swappable Power Supplies 100-240V AC, 10-5A, 50-60Hz

## Rack Installation

The supplied equipment is designed for standard 19inch racks.

### Rack Stability

Ensure the rack is stable before installing the slide rails and appliance.

- Check that the leveling jacks on the bottom of the rack are fully extended to the floor with the full weight of the rack resting on the jacks
- For single rack installation, stabilizers should be attached to the rack; for multiple rack installations, the racks should be coupled together

### Appliance Installation

- To avoid personal injury or equipment damage, use a lifting device
- Do not pick up the appliance by the front handles
- Each inner rail has a system lock out tab to prevent the appliance from sliding out, ensure that it is locked when installing the appliance
- Prevent Electrostatic discharge (ESD) damage by wearing antistatic devices
- Do not place heavy objects on the appliance

### What You Will Need

- Phillips screwdriver, level & tape measure
- Rack-provided cage nuts and screws
- A lifting device or additional support
- ESD antistatic gear

### Support

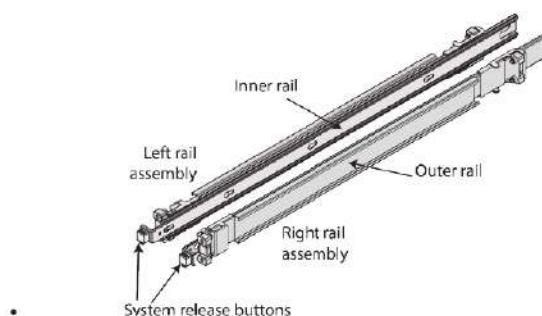
For video support on installing these slide rails, please visit:

<https://video.fortinet.com>

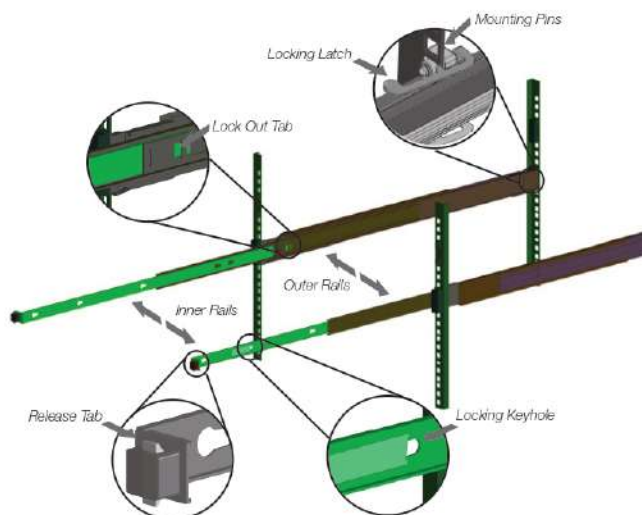
For additional support, please visit:

<http://support.fortinet.com>

### Rail Assembly



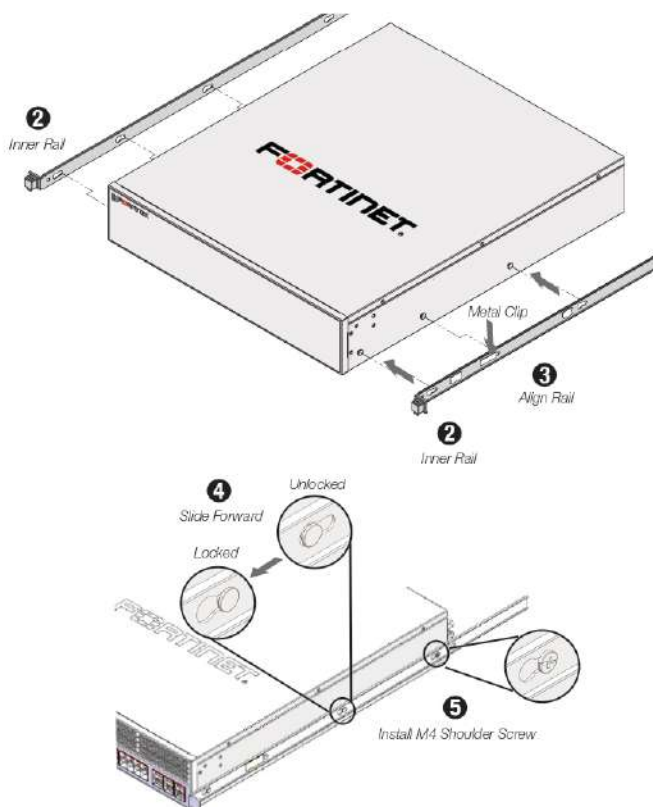
- The rail kit includes a left and a right rail assembly
- Each rail assembly includes an inner rail, a middle rail, and an outer rail
- The inner rail has locking keyholes used to secure the rail to the appliance
- The inner rail rear end has a lock out tab which slides into the middle rail
- The middle rail is in the outer rail and used to guide the inner rail into the outer rail
- The outer rail has front and rear mounting pins that push into to the rack holes
- The outer rail also has front and rear locking latches to secure the rail to the rack





### Attach the Inner Rails to the Appliance

1. Detach the inner rail from the rail assembly by pressing the lock out tab
2. Place an inner rail against a side of the appliance
3. Align the inner rail keyholes with the appliance pins
4. Slide the rail towards the front of the appliance until the metal clip locks into place
5. For inner rails with 5 keyholes and a chassis with 3 pins and a thread hole, use the provided M4 shoulder screw to secure the rail to the appliance
6. Repeat steps 1 to 5 for the remaining inner rail



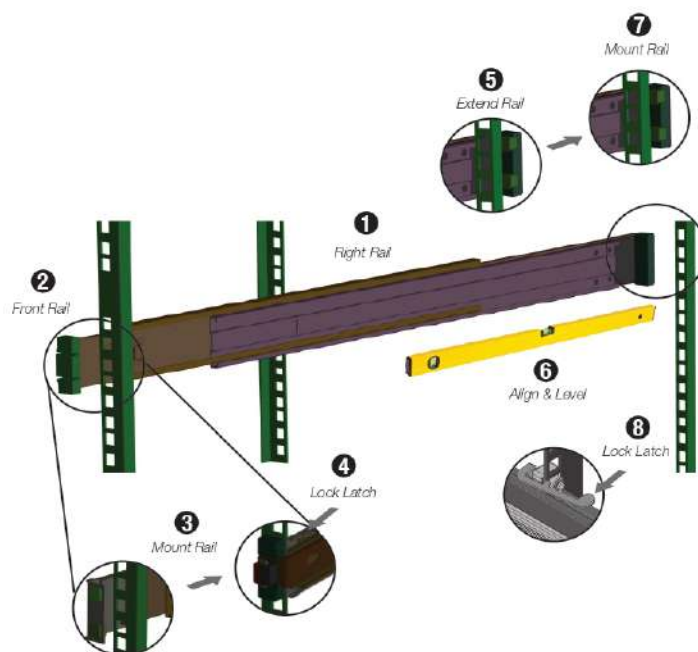
### Attach the Outer Rails to the Rack

#### Front Outer Rail

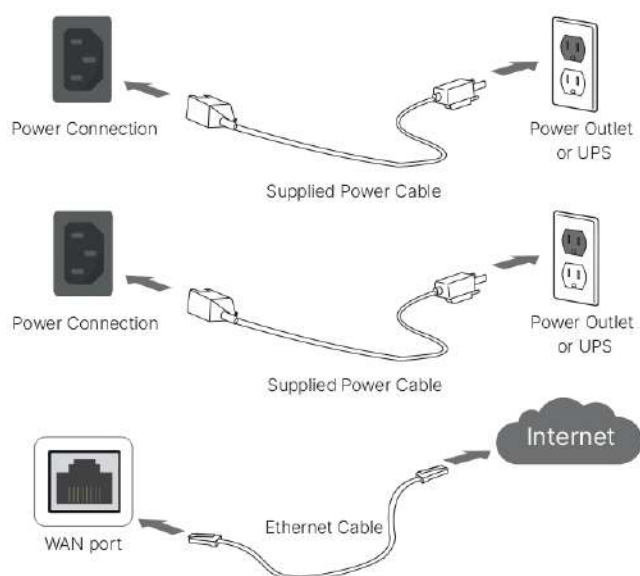
1. Place an outer rail against a side of the rack
2. Align the front outer rail with the front of the rack
3. Push the front outer rail mounting pins into the rack post holes
4. Lock the locking latch to safely secure the front outer rail to the post

#### Rear Outer Rail

5. Extend the rear outer rail just past the rack post
6. Level the rail and align the mounting pins
7. Push the rear mounting pins into the rack post holes
8. Lock the locking latch to safely secure the rear outer rail to the post
9. Repeat steps 1 to 8 for the remaining outer rail



## Basic Connections



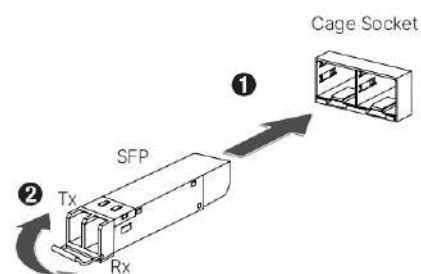
1. **Plug in** your device to power outlet using the **provided power cables**
2. Connect a **WAN port** to the internet using the supplied **Ethernet cable**

**Note:** Your device has dual AC inputs for failover redundancy. If both AC inputs are used, only one is active. If the active AC input fails, the second input will be active.

## SFP Installation

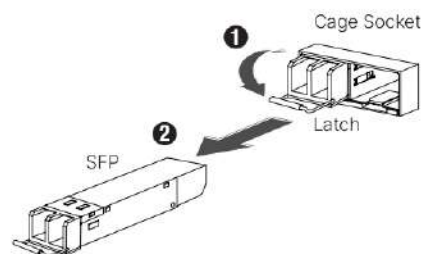
To install the SFP transceivers

1. **Slide the SFP** into the cage socket until it **clicks into place**
2. **Lift the latch** to **lock the SFP**



To remove the SFP transceivers

1. **Lower the latch** to unlock the SFP
2. **Carefully pull the SFP out** of the cage socket



**Note:** For more information, visit [support.fortinet.com](https://support.fortinet.com)



## Appliance Setup

Set up your appliance locally or on the cloud by choosing one of the following options.



Local Setup

### GUI

Connect locally using a web-browser

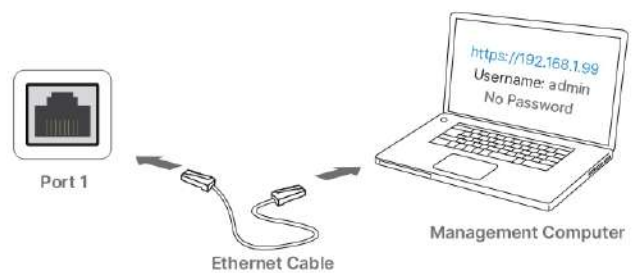


Local Setup

### CLI

Connect locally using a direct console connection

## GUI



1. Connect **port 1** to the **Management Computer** with the supplied **Ethernet cable**

2. Enable **DHCP** or set the **Management Computer's IP** and subnet to:

Static IP Address: [192.168.1.1](https://192.168.1.1)  
Subnet Mask: [255.255.255.0](https://255.255.255.0)

3. Visit <https://192.168.1.99> in a web browser

4. Log in with username **admin** and leave the **password blank**

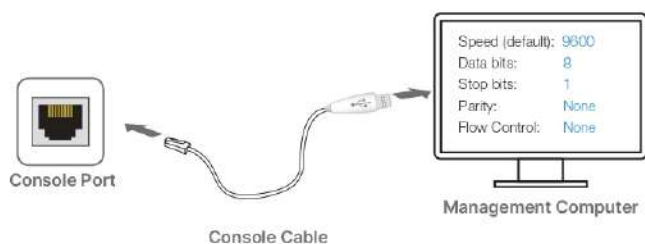
5. Create a **new password**, leave the **Old Password blank**

6. Log with username **admin** and your **new password**

7. Click **Begin** to complete your setup or **Later**



## CLI



1. Connect the **Console Port** with a **console cable** to the **Management Computer**
2. Start a **terminal emulation program** on the **Management Computer** and select an available **COM Port** using the following default settings:

Baud rate: **9600**  
Data bits: **8**  
Parity: **None**  
Stop bits: **1**  
Flow control: **None**

4. Press **Enter** on your keyboard to connect to the CLI
5. **Log in** using username **admin** and no password
6. Enter CLI commands to configure your appliance

**Note:** For detailed CLI instructions, visit [support.fortinet.com](https://support.fortinet.com)

## Cautions and Warnings

### Environmental specifications

Ambient operating temperature: 0°C to 40°C

Rack Mount Instructions: The following similar rack-mount instructions are included with the installation instructions:

Instructions de montage en rack: Les instructions de montage en rack similaires sont incluses avec les instructions d'installation.

**Extended Operating Ambient:** Intended for a Class A or Class B network assembly, this device is designed to operate in an environment that may be greater than room ambient. However, conduction should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T<sub>max</sub>) specified by the manufacturer.

**Température ambiante étendue:** Si l'équipement doit être installé dans un environnement ambiant, la température maximale de fonctionnement de l'équipement (du rack ou du serveur) doit être prise en compte lors de l'installation. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (T<sub>max</sub>) spécifiée par le fabricant.

**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.

**Ventilation restricts:** Installation of equipment in a rack should take into account the amount of air flow that is necessary to maintain the equipment in a safe operating condition.

**Mechanical Loading:** Mounting of the equipment in a rack should be such that the maximum weight is not exceeded and the rack should be supported by a suitable structure.

**Chargeement Mécanique:** Le montage de l'équipement dans un rack doit être tel qu'il ne dépasse pas la charge maximale admissible et que le rack soit soutenu par une structure appropriée.

**Circuit Overloading:** Connections should be made to the connector or bus system in the equipment in a way that does not overload the circuit. The circuit should be protected by a suitable fuse or circuit breaker.

**Surcharge et court-circuit:** Les connexions doivent être faites de manière à ne pas surcharger le circuit. Le circuit doit être protégé par un fusible ou un disjoncteur approprié.

**Reliable Wiring:** Installation of equipment should be such that the wiring is reliable and does not compromise the safety of the equipment.

**Fiabilité de la mise à la terre:** L'installation de l'équipement doit être telle que le câblage soit fiable et ne compromette pas la sécurité de l'équipement.

**Safe to operate:** The equipment should be operated in a safe manner. The equipment should be operated in a safe manner. The equipment should be operated in a safe manner.

**Sécurité d'exploitation:** L'équipement doit être exploité de manière sûre. L'équipement doit être exploité de manière sûre. L'équipement doit être exploité de manière sûre.

**Safe to operate:** The equipment should be operated in a safe manner. The equipment should be operated in a safe manner. The equipment should be operated in a safe manner.

**Sécurité d'exploitation:** L'équipement doit être exploité de manière sûre. L'équipement doit être exploité de manière sûre. L'équipement doit être exploité de manière sûre.

### Safety

**Moving parts:** Moving parts, keep away from moving parts.

**Parties mobiles:** Parties mobiles, gardez-vous des parties mobiles.

**Warning:** Equipment should be installed in a safe manner. The equipment should be installed in a safe manner. The equipment should be installed in a safe manner.

**Attention:** L'équipement doit être installé de manière sûre. L'équipement doit être installé de manière sûre. L'équipement doit être installé de manière sûre.

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**Attention:** L'équipement doit être installé de manière sûre. L'équipement doit être installé de manière sûre. L'équipement doit être installé de manière sûre.

Consult your installation instructions when connecting to a network or to a data source. Do not connect the equipment to a network or to a data source if the equipment is not properly grounded.

**Caution:** Substantial electrical equipment is not to be used as a shelf or a work space.

**Attention:** L'équipement électrique substantiel ne doit pas être utilisé comme étagère ou espace de travail.

**Warning:** Class 1 digital transmitter shall be used only. The equipment should be used only with a Class 1 digital transmitter.

**Avertissement:** Seul un émetteur numérique de classe 1 doit être utilisé avec l'équipement.

The GPP ports should use U.S. Listed Optional Transceiver product, Rated 5.0Vdc, 100mA, Class 1.

Les ports GPP doivent utiliser un produit d'émission-réception en option répertorié (UL 0.5 Vdc, 100mA, classe 1).

**Warning:** Class 1 Equipment: This equipment must be used only with a Class 1 digital transmitter. The equipment should be used only with a Class 1 digital transmitter.

**Avertissement:** Équipement de classe 1: L'équipement doit être utilisé avec un émetteur numérique de classe 1. L'équipement doit être utilisé avec un émetteur numérique de classe 1.

**Warning:** Class 1 Equipment: This equipment must be used only with a Class 1 digital transmitter. The equipment should be used only with a Class 1 digital transmitter.

**Avertissement:** Équipement de classe 1: L'équipement doit être utilisé avec un émetteur numérique de classe 1. L'équipement doit être utilisé avec un émetteur numérique de classe 1.

**Warning:** Class 1 Equipment: This equipment must be used only with a Class 1 digital transmitter. The equipment should be used only with a Class 1 digital transmitter.

**Avertissement:** Équipement de classe 1: L'équipement doit être utilisé avec un émetteur numérique de classe 1. L'équipement doit être utilisé avec un émetteur numérique de classe 1.

## 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 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 this equipment.

### Industry Canada Equipment Standard for Digital Equipment (ICES) - Canada

CAN ICES-003 (24) / NMB-003 (24)

This digital equipment does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the applicable interference regulations of the Canadian Department of Communications.

Cet appareil numérique n'excède pas les limites radioélectriques imposées aux limites applicables aux appareils numériques de la classe A prescrites dans le règlement sur le brouillage radioélectrique édicté par le ministre des Communications du Canada.

### 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

この製品は、クラスAの製品です。家庭環境下では、この製品が電磁気的干渉を発生させる可能性があります。この場合、ユーザーは適切な対策を講ずる必要があります。

### Product Safety Electrical Appliance & Material (PSE) - Japan

この製品は、電気用品安全法（PSE法）に基づいて設計・製造された製品です。この製品は、電気用品安全法（PSE法）に基づいて設計・製造された製品です。

Compliance

Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

The presence of this reference to the website of the BSMI does not constitute an endorsement or approval by the BSMI.

國家標準檢驗局 (BSMI) 註冊如下：

<http://www.bsmi.gov.tw/>

此項註冊係由本局核准，證明該產品符合標準，其品質優良，符合標準，其品質優良，符合標準。

以下為註冊之標準：

1. 產品規格及標準。
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99. 產品規格及標準。
100. 產品規格及標準。

BSMI 註冊之標準如下：

地址：台北市信義區信義路五段七號  
電話：(02) 8798-1888

China

此項註冊係由本局核准，證明該產品符合標準，其品質優良，符合標準，其品質優良，符合標準。

