

# FortiAuthenticator 2000E

# Register for Support

Register your Fortinet product to receive:

- Technical Support
- New product features
- Protection from new threats

Vous devez enregistrer le produit pour recevoir:

- Support technique
- Nouvelles fonctionnalités du produit
- Protection contre de nouvelles menaces

La reistrazione ti permette di usufruire di:

- Supporto Tecnico
- Nuove funzionalità
- Protezione dalle ultime minacce

Debe registrar el producto para recibir:

- Apoyo técnico
- Nuevas funcionalidades del producto
- Protección contra ataques

## 登録のお願い

本日、フォーティネット製品の登録をしてください。

登録すると次のメリットがあります。

テクニカルサポート・新機能の追加・新しい脅威への防御

## 请马上注册

您的飞塔产品

您在注册以后才能得到技术支持、新产品特点信息、最新威胁防护



January 09, 2017

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<https://support.fortinet.com>

Toll free: 1 866 648 4638

Phone: 1 408 486 7899

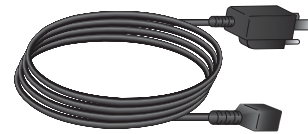
Fax: 1 408 235 7737

Email: [register@fortinet.com](mailto:register@fortinet.com)

# Box Includes



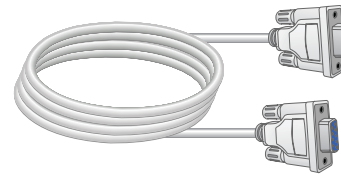
FortiAuthenticator 2000E



2 Power Cables



QuickStart Guide



Console Cable

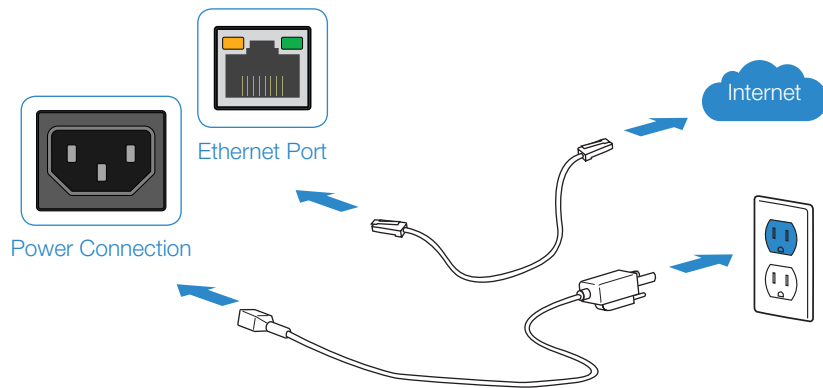


Ethernet Cable



Rail Mount Kit

## 1 Basic Connections



Connect your device to a [power outlet](#) and an [Internet connection](#). This is usually a modem, but could also be another device on your network.

## 2 Setup Options

A

Web Browser

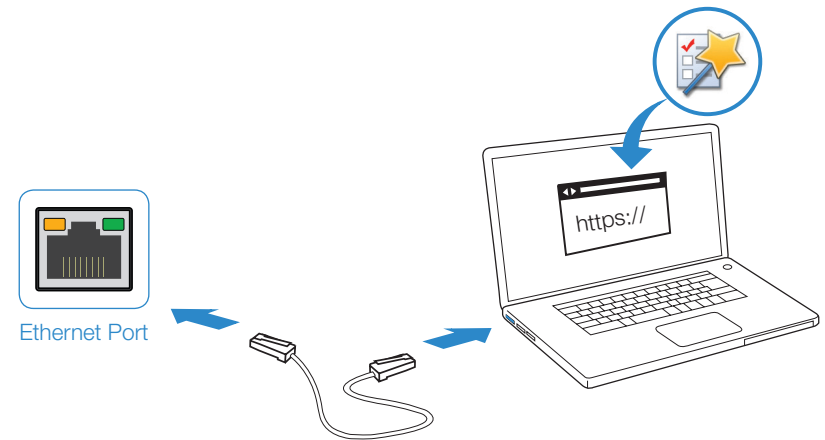
Setup Wizard (p.7)

B

Terminal Emulation

With console cable (p.8)

## A Web Browser with Ethernet cable



### To Connect to the GUI

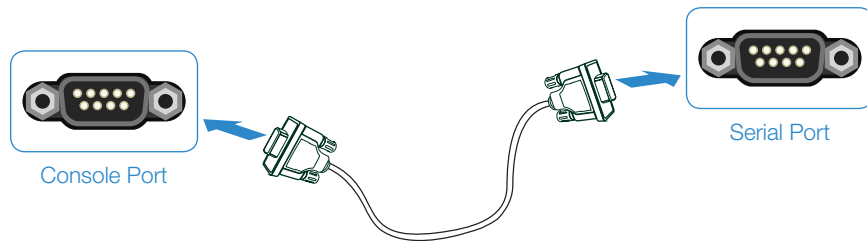
1. Connect the [Ethernet cable](#) to [Port1](#).
2. Configure the management computer to be on the same [subnet](#) as the internal interface as the FortiAuthenticator unit:

**IP address:** 192.168.1.99

**Netmask:** 255.255.255.0

3. Visit <https://192.168.1.99/admin> in your web browser.
4. Login using username "[admin](#)" and [no password](#).
5. [Configure your device](#) and save your settings.
6. [Register your device](#) from the dashboard page.

## B Terminal Emulation with Console Cable



### To Connect to the CLI

1. Connect the device's **console port** to the management computer using the provided **console cable**.
2. Start a **terminal emulation program** on the management computer, select the **COM port**, and use the following settings:

**Baud Rate:** 9600  
**Data bits:** 8  
**Parity:** None  
**Stop bits:** 1  
**Flow Control:** None

3. Press **Enter** on your keyboard to **connect to the CLI**.
4. Login using username **"admin"** and no password. You can now proceed with configuring your device.

## 3 Installation

The FortiAuthenticator unit can be mounted in any standard **19 inch rack** unit with the provided mounting hardware.

*Please read "Cautions and Warnings" prior to installing your device.*

**Caution:** Electrostatic discharge (ESD) can damage your Fortinet equipment.

To avoid personal injury or damage to the unit, it is recommended that two or more people install the unit into the rack.

Do not place heavy objects on the unit.

1. Using the supplied hardware, attach the **inner slide rails** to each side of the unit. Align the two, **square holes** on each rail to the **hooks** on the sides of the unit. Securely attach the rail to the unit using M4 flat head **screws**.
2. Attach the **outer slide rails** to the rack. Keep the **sliding rail guides** facing into the rack and screw the assembly securely to the rack using the provided brackets. Ensure that both rails are at the same **height**.
3. Ensure there is enough **room** around the unit to allow for sufficient **air flow**.
4. Slide the unit into your equipment rack using **equal pressure** on both sides. You may have to depress the **locking tabs** when inserting the unit. When the unit has been completely pushed into the rack, the **locking tabs** should **click** into place.
5. Plug the supplied **power cables** into the rear of the unit and then into **grounded electrical outlets** or a separate power sources, such as **uninterruptible power supplies** (UPS) or a **power distribution units** (PDU).

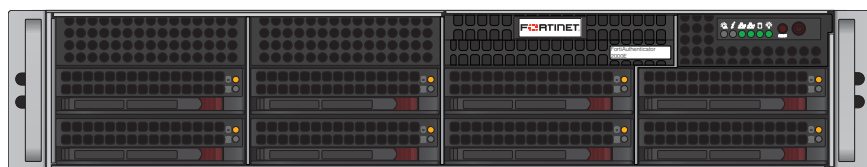
**Note:** Each power cable should be connected to a different power source. In this way, if one power source fails, the other may still be operational and the unit will not lose power.

## HDD Activity

- Green: HDD drive detected
- ⚙️ Flashing Green: HDD in use
- Off: No HDD activity

## HDD Status

- Red: HDD has failed
- Off: Operating normally



## Power Fail

- Red: A power supply has failed
- Off: Normal operation



## Information

- ⚙️ Flashing Red (1Hz): Fan failure
- Red: System in overheat condition
- ⚙️ Flashing Red (0.25Hz): Redundant power supply failure
- Off: Normal operation



## Ethernet Ports Activity

- Green: Port is connected
- ⚙️ Flashing Green: Transmitting & receiving data
- Off: No link activity



## HDD

Not in use



## Power

- Green: The unit is on
- Off: The unit is off

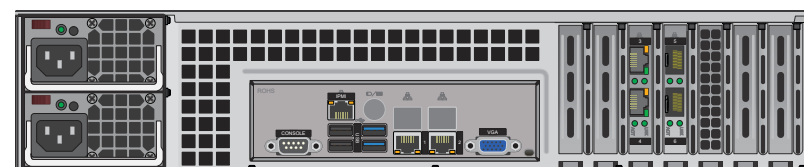


## SFP Ports

- Green: Connected at 10/100Mbps
- Amber: Connected at 1Gbps
- Off: Not connected

## SFP Ports Activity

- ⚙️ Flashing Green: Transmitting & receiving data
- Off: No link activity



## Ethernet Ports Speed

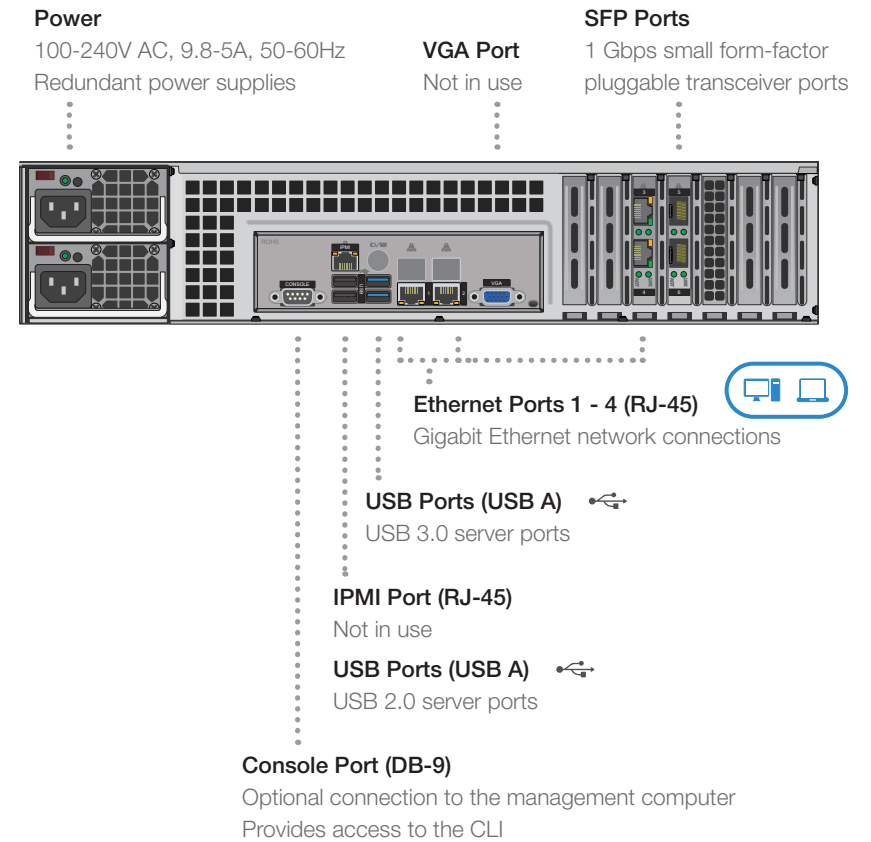
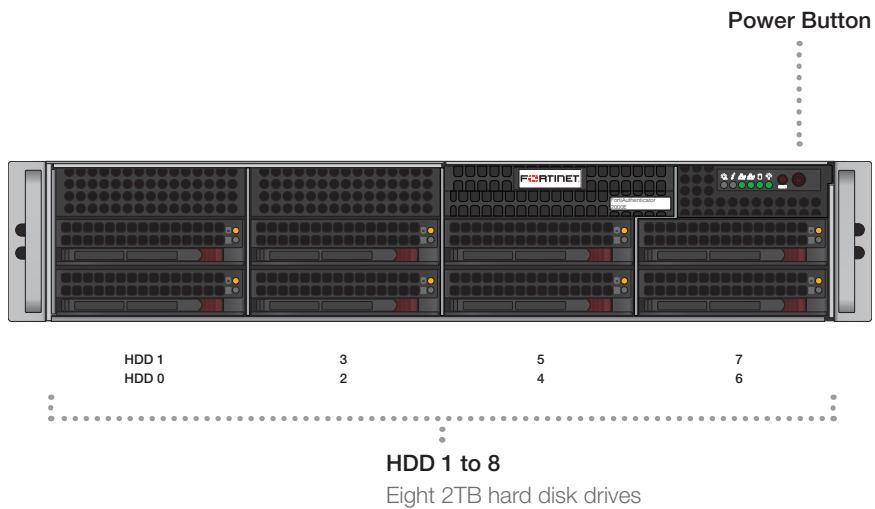
- Amber: Connected at 1Gbps
- Green: Connected at 100Mbps
- Off: Connected at 10Mbps or not in use

## Ethernet Ports Link/Activity

- ⚙️ Flashing Amber: Transmitting & receiving data
- Off: No link established

## Power

- Green: Running normally
- Amber: Power loss
- ⚙️ Flashing Amber: Power supply limit reached
- Off: Not connected



## Cautions and Warnings

### Environmental Specifications

Ambient operating temperature: 0C to 40C

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

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

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.

Température ambiante élevée – S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (Tma) stipulée 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 réduite – Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading. Chargement Mécanique – Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas lié à un chargement mécanique inégal.

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.

Surterension – Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

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).

Fiabilité de la mise à la terre- Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)

Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'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.

Batterie – Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.

警告  
本電池如果更換不正確會有爆炸的危險  
請依製造商說明書處理用過之電池

Caution: Disconnect power supply cords before servicing.  
Attention: Débranchez les cordons de la source d'alimentation avant tout entretien.

Caution: Slide/rail mounted equipment is not to be used as a shelf or a work space.  
Attention: Un équipement monté sur bâti ne doit pas être utilisé sur une étagère ou dans un espace de travail.

## Regulatory Compliance

### 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-3 (A) / NMB-3 (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.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère 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.



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

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

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

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Fortinet warrants that the hardware portion of the Products, including spare parts unless noted otherwise ("Hardware") will be free from material defects in workmanship as compared to the functional specifications for the period set forth as follows and applicable to the Product type ("Hardware Warranty Period"): a three hundred sixty-five (365) day limited warranty for the Hardware excluding spare parts, power supplies, and accessories (provided, solely with respect to FortiAP indoor Wi-Fi access point Hardware appliance products and FortiSwitch Hardware appliance products other than the FortiSwitch-5000 series (for both excluding spare parts, power supplies, and accessories), the warranty herein shall last from the start of the warranty period as discussed above until five (5) years following the product announced end-of-life date), and, for spare parts, power supplies, and accessories, solely a ninety (90) days limited warranty. Fortinet's sole obligation shall be to repair or offer replacement Hardware for the defective Hardware at no charge to the original owner. This obligation is exclusive of transport fees, labor, de-installation, installation, reconfiguration, or return shipment and handling fees and costs, and Fortinet shall have no obligation related thereto. Such repair or replacement will be rendered by Fortinet at an authorized Fortinet service facility as determined by Fortinet. The replacement Hardware need not be new or of an identical make, model, or part; Fortinet may, in its discretion, replace the defective Hardware (or any part thereof) with any reconditioned Product that Fortinet reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. The Hardware Warranty Period for the repaired or replacement Hardware shall be for the greater of the remaining Hardware Warranty Period or ninety days from the delivery of the repaired or replacement Hardware. If Fortinet determines in its reasonable discretion that a material defect is incapable of correction or that it is not practical to repair or replace defective Hardware, the price paid by the original purchaser for the defective Hardware will be refunded by Fortinet upon return to Fortinet of the defective Hardware. All Hardware (or part thereof) that is replaced by Fortinet, or for which the purchase price is refunded, shall become the property of Fortinet upon replacement or refund.

Fortinet warrants that the software as initially shipped with the Hardware Products will substantially conform to Fortinet's then current functional specifications for the Software, as set forth in the applicable documentation for a period of ninety (90) days ("Software Warranty Period"), if the Software is properly installed on approved Hardware and operated as contemplated in its documentation. Fortinet's sole obligation shall be to repair or offer replacement Software for the non-conforming Software with software that substantially conforms to Fortinet's functional specifications. This obligation is exclusive of transport fees, labor, de-installation, installation, reconfiguration, or return shipment and handling fees and costs, and Fortinet shall have no obligation related thereto. Except as otherwise agreed by Fortinet in writing, the warranty replacement Software is provided only to the original licensee, and is subject to the terms and conditions of the license granted by Fortinet for the Software. The Software Warranty Period shall extend for an additional ninety (90) days after any warranty replacement software is delivered. If Fortinet determines in its reasonable discretion that a material non-conformance is incapable of correction or that it is not practical to repair or replace the non-conforming Software, the price paid by the original licensee for the non-conforming Software will be refunded by Fortinet; provided that the non-conforming Software (and all copies thereof) is first returned to Fortinet. The license granted respecting any Software for which a refund is given automatically terminates immediately upon refund. For purpose of the above hardware and software warranties, the term "functional specifications" means solely those specifications authorized and published by Fortinet that expressly

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