# FortiWeb 3000CFsx
## QuickStart Guide



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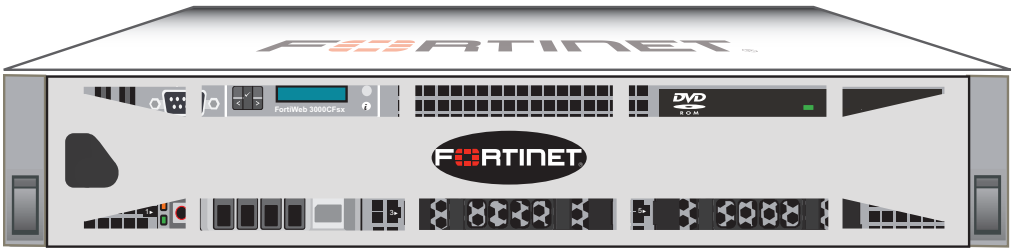
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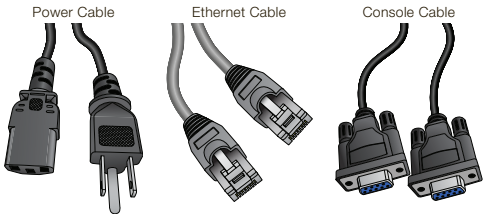
# 1. Package Contents

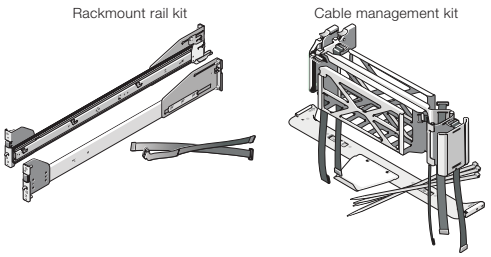
The FortiWeb-3000CFsx delivers wire-speed performance, integrated threat management and flexibility at an affordable price. Fortinet's technologies provide outstanding firewall throughput, enabling you to protect your applications and network without affecting performance.

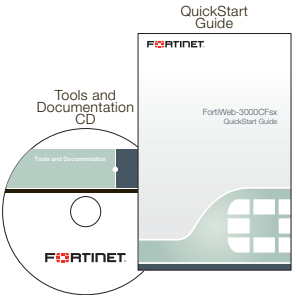
Your box contains the following:

- FortiWeb 3000CFsx
- QuickStart Guide
- Tools and Documentation CD
- Power Cable
- Ethernet Cable
- Console Cable
- Rackmount rail kit
- Cable management kit



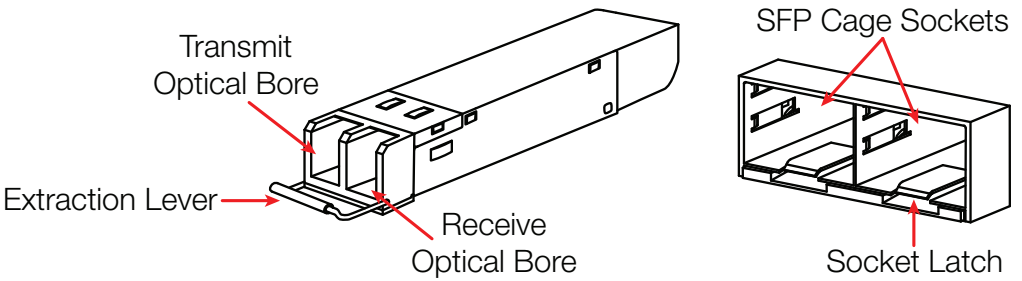



## 2. Connecting the Device

Connect the following to the FortiWeb unit. Ensure the unit is placed on a stable surface or installed in a standard 19 inch rack.

- Assemble the rails and install the system in the rack following the safety instructions and the rack installation instructions provided with your system.
- Connect the keyboard, mouse, and monitor (optional).
- Connect the system's power cable(s) to the system and, if a monitor is used, connect the monitor's power cable to the monitor.
- Bend the system power cable into a loop and secure the cable to the bracket using the provided strap.
- Plug the other end of the power cables into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).
- Insert an Ethernet cable into the one of the 4 ports on the FortiWeb unit. Insert the other end to the router connected to the Internet, or to the modem.
- Press the power button on the system and, if connected, the monitor.

## 3. SFP Transceivers




**Caution**: SFP transceiver modules are static sensitive devices. Use an ESD wrist strap or similar grounding device when handling transceiver modules.

**Caution**: Do not install or remove SFP transceiver modules while fiber-optic cables are still attached. This can cause damage to the cables, cable connectors, and the optical interfaces. It may also prevent the transceiver module from latching correctly into the socket connector.

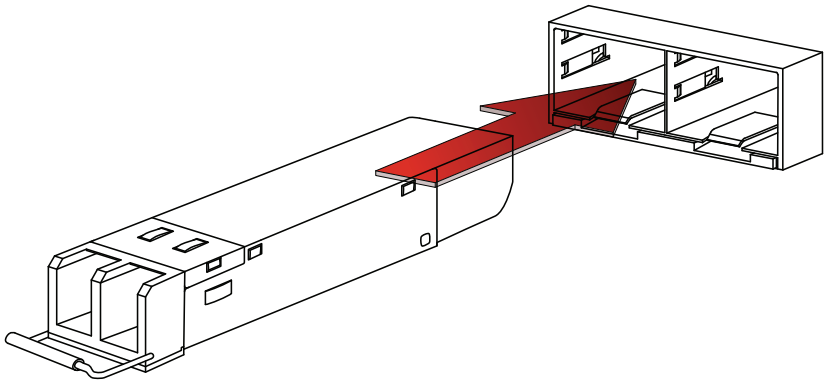
**Note**: Installing and removing SFP transceiver modules can shorten their useful life. Do not install or remove transceiver modules more than is necessary.

**To install the SFP transceiver modules:**

1. Ensure that you are properly grounded.
2. Remove the caps from SFP cage sockets on the front panel of the unit.
3. Position the SFP transceiver module in front of the cage socket opening and ensure that the SFP transceiver module is correctly oriented.

   When the module is correctly oriented, the extraction lever will be level with the socket latch.

   **Note**: SFP cage socket orientation may vary. Ensure that the SFP transceiver module is correctly oriented each time that you are inserting a module.



4. Hold the sides of the SFP transceiver module and slide it into the cage socket until it clicks into place.

   **Caution:** Do not force the SFP transceivers into the cage slots. If the transceiver does not easily slide in and click into place, it may not be aligned correctly or may be upside down. If this happens, remove the SFP transceiver, realign it or rotate it and slide it in again.
5. Press the module firmly into the cage socket with your thumb.
6. Verify that the module is latched correctly by grasping the sides of the and trying to pull it out without lowering the extraction lever.

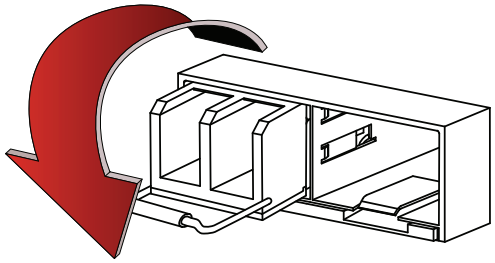
   If the module cannot be removed, it is installed and latched correctly.

   If the module can be removed, reinsert it and press harder with your thumb. If necessary, repeat this process until the module is securely latched into the cage socket.

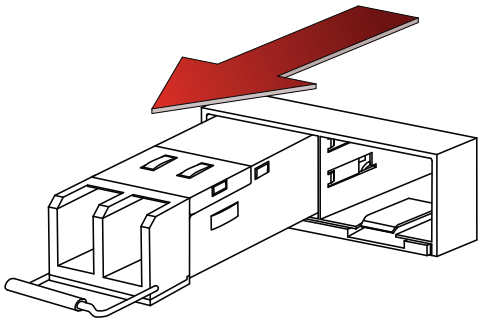
**To remove the SFP transceiver modules:**

1. Ensure that you are properly grounded.
2. If applicable, disconnect the fiber-optic cable from the SFP transceiver module connector and install a clean dust plug in the module's optical bores.
3. Pull the extraction lever out and down to eject the module.

   If you are unable to use your finger to open the lever, use a small flat-head screwdriver or other similar tool to open the lever.



4. Hold the sides of the SFP transceiver module and carefully pull it away from the cage socket.



5. Replace the cap on the SFP cage socket and place the removed SFP transceiver module into an antistatic bag.

**Note**: Follow proper fibre-optic handling procedures when installing and removing SFP transceiver modules to ensure the devices remain clean and are not damaged.

# 4. Device Configuration

The FortiWeb unit requires some basic configuration to add it to your network. These basic steps include assigning IP addresses, DNS settings, and the default gateway. Until these steps are completed traffic will not flow through the device.

This section will step you through both methods of connecting to the unit. Use whichever method you are most comfortable with.

## To Connect to the Web-based Manager:

1. Connect the FortiWeb unit Gb 1 port to a management computer using the provided Ethernet cable.
2. Configure the management computer to be on the same subnet as the internal interface of the FortiWeb unit:
   a. Browse to the *Network and Sharing Center* > *Change Adapter Settings* > *Local Area Connection Properties* > *Internet Protocol Version 4 (TCP/IPv4) Properties*.
   b. Change the IP address of the management computer to 192.168.1.2 and the netmask to 255.255.255.0.
3. To access the FortiWeb unit Web-based Manager, start a browser of your choice and browse to https://192.168.1.99 (remember to include the "s" in https://).
4. Type `admin` in the *Name* field, leave the *Password* field blank, and select *Login*.

   You can now proceed with configuring your FortiWeb unit.

### To Connect to the CLI:

You can configure all FortiWeb configuration options from the CLI using *config* commands. The CLI also includes *get*, *show*, *diagnose*, and *execute* commands for performing various configuration and monitoring tasks.

1. Connect the FortiWeb unit console port to the management computer using the provided console cable.
2. Start a terminal emulation program on the management computer. 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. Type `admin` in the *Name* field, leave the *Password* field blank, and press *Enter*.

   You can now proceed with configuring your FortiWeb unit.

### To add an administrator password

1. Enter the following commands:

```
config system admin
    edit admin
        set password <password_str>
end
```

### To reset the unit to factory defaults

1. Enter the following commands:

```
execute factory reset
```

### To shutdown the FortiWeb unit

When powering off the FortiWeb unit, always shut down the unit using the following procedures before disconnecting the power supply. Not following this procedure can increase the risk of damaging the FortiWeb hard disk. You can only shut down the FortiWeb unit using the CLI.

Using the CLI, enter the following command at the prompt:

```
execute shutdown
```

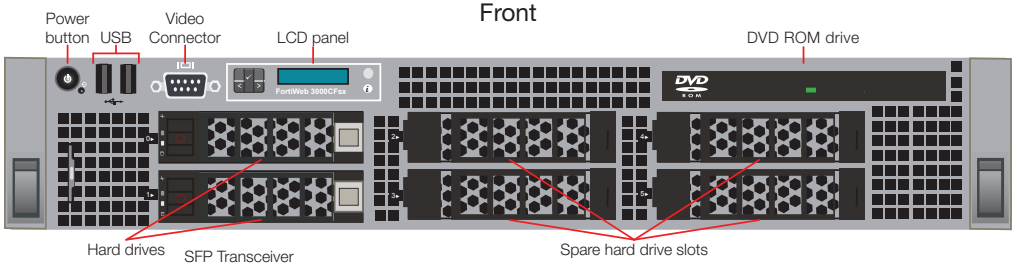
Using the Web-based Manager:

1. Go to *System* > *Dashboard* > *Status*.
2. In the *Unit Operation* widget select *Shutdown*.
3. In the confirmation dialog box, select *OK* to shut down the unit.

To power down completely, remove the front panel and press the power button.

# 5. Technical Specifications

Front




Back

| Interface | Type | Protocol | Description |
|---|---|---|---|
| Ethernet Ports 1 - 6 | RJ-45 | Gigabit Ethernet | Integrated Ethernet ports for connection to your network and the Internet. |
| SFP Transceiver Ports | SFP | 1Gbps/auto | Small form-factor pluggable transceiver. |
| USB | USB-A | USB 2.0 | USB server ports for USB key, modem, or management functions. |
| Console | RS-232 | serial | Connects to the management computer. Provides access to the CLI. |
| Video | | | A single port that connects to a monitor system. |
| Hard drives | | | Two hard drives are provided and can be upgraded to six drives if necessary. |
| PCIe slots | PCIe | Serial | Three PCIe 500MB/s (generation 2) expansion slots. Slot 2 = x4-link, Slots 3 & 4 = x8-link. |

# 6. LED Specifications

| LED | State | Description |
|---|---|---|
| LCD panel | Blue | The unit is operating normally. |
| | Amber | The system requires attention; message shown. |
| Hard drives | Green | Drive online. |
| | Slow Flashing Green | Drive rebuilding. |
| | Flashing Amber at 4Hz | Drive failed. |
| | Flashing Green, Amber, Off | Drive predicted failure. |
| | Flashing Green at 2Hz | Identify drive; preparing for removal. |
| | Off | Drive ready for insertion or removal. |
| Ethernet ports Activity | Flashing Green | Port is transmitting and receiving data. |
| | Off | Port is not in use. |
| Ethernet ports Speed | Green | Port is connected at 1Gbps. |
| | Amber | Port is connected at 100Mbps. |
| | Off | Port is connected at 10Mbps or is not in use. |
| SFP Transceiver Ports | Green | Port is active. |
| | Flashing Green | Port is transmitting and receiving data. |
| | Off | Port is not in use. |
| Power supply indicator | Green | Port supply operational. |
| | Amber | Power supply problem. |
| | Flashing Green, Amber | Power supply is mismatched with other power supply. |
| | Off | Power is not connected. |

# 7. Technical Documentation and Links

The following Fortinet web pages provide information and resources for your Fortinet product:

1. **Customer Service & Support:** https://support.fortinet.com

   On this page you can create a support account with Fortinet, register and manage your products, download updates, firmware images and release notes, and create technical support tickets.

2. **Technical Documentation:** http://docs.fortinet.com

   This page provides the most up-to-date versions of Fortinet publications for the entire family of Fortinet products. The following guides more information on the installation and configuration of your Fortinet device:

   - Hardware Guide: This guide describes how to mount your Fortinet device, hardware acceleration, and configuring Redundant Array of Independent Disks (RAID).
   - System Administration Guide: This guide describes initial configuration of your Fortinet device, centralized management, tightening security, best practices, and configuration examples.
   - Fundamentals Guide: This guide describes NAT versus Transparent mode, packet flow and inspection, firewall components, virtual IPs, security policies, UTM profiles, and troubleshooting traffic.
   - UTM Guide: This guide includes examples and step-by-step instructions for the UTM features available on your Fortinet device, such as AntiVirus, intrusion prevention system (IPS), web and email filtering, Data Leak Prevention (DLP), and application control.
   - Troubleshooting Guide: This guide describes the troubleshooting process and best practice concepts, how Fortinet Support operates, and diagnostic commands in the CLI.

3. **Knowledge Base:** http://kb.fortinet.com

   This page provides Fortinet technical documentation, such as troubleshooting, how-to articles, example configurations , FAQs, technical notes, and more.

4. **Technical Discussion Forums:** http://support.fortinet.com/forum

   This page allows you to communicate with other customers and Fortinet partners about Fortinet products, services, and configuration issues in a forum environment.

5. **Training Services:** http://training.fortinet.com

   This page provides course descriptions, availability, schedules, and locations of training programs in your area.

6. **FortiGuard Threat Research and Response:** http://www.fortiguard.com

   This page provides up-to-date information on vulnerabilities and threats, and includes a virus scanner, Internet Protocol (IP) signature look-up, web filtering tools, and related information.

### Tools and Documentation CD

The tools and documents on this CD are current as of shipping time.

### Comments on Technical Documentation

Please send comments or information about any errors or omissions in this or any Fortinet technical documents to techdoc@fortinet.com.

# 8. Cautions and Warnings

Please review the following cautions and warnings.

### Environmental specifications

Operating temperature: Refer to the product datasheet

If you install your Fortinet product in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient temperature. Therefore, make sure to install the equipment in an environment compatible with the manufacturer's maximum rated ambient temperature.

Storage temperature: Refer to the product datasheet

Humidity: Refer to the product datasheet

Air flow: For rack installation, make sure that the amount of air flow required for safe operation of the equipment is not compromised.

For free-standing installation, make sure that the appliance has at least 1.5 inches (3.75 cm) of clearance on each side to allow for adequate air flow and cooling.

### FCC Compliance

FCC Compliance: Refer to the product datasheet

Operation is subject to the following two conditions:

This device may not cause harmful interference, and

This device must accept any interference received, including interference that may cause undesired operation.

The Fortinet product has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

The equipment complies with FCC radiation exposure limits set forth for uncontrolled environments.

### 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

**Caution:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to your local regulations.

### Grounding

Ensure your Fortinet product is connected and properly grounded to a lightning and surge protector. WAN or LAN connections that enter the premises from outside the building should be connected to an Ethernet CAT5 (10/100 Mb/s) surge protector.

Shielded Twisted Pair (STP) Ethernet cables should be used whenever possible rather than Unshielded Twisted Pair (UTP).

Do not connect or disconnect cables during lightning activity to avoid damage to your Fortinet product or personal injury.

Electrostatic discharge (ESD) can damage Fortinet equipment. Only perform the procedures described in this document from an ESD workstation. If no such station is available, you can provide some ESD

protection by wearing an anti-static wrist strap and attaching it to an available ESD connector or other bare metal object.

# 9. Register Your Product

If you did not register your Fortinet product using the FortiExplorer wizard, please register your product now.

## Register

Register your Fortinet product in order to receive:

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

## Enregistrer

Vous devez enregistrer le produit pour recevoir:

• Support technique • Nouvelles fonctionnalitées du produit • Protection contre de nouvelles menaces

## Registra

La reistrazione ti permette di usufruire di:

• Supporto Tecnico • Nuove funzionalita • Proteezione dalle ultime minaccce

## Registrar

Debe registrar el producto para recibir:

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

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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

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**Web: https://support.fortinet.com/**
**Toll free: 1 866 648 4638**
**Phone: 1 408 486 7899**
**Fax: 1 408 235 7737**
**Email: register@fortinet.com**

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Product License Agreement

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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, and, for spare parts, solely a ninety (90) days limited warranty. Fortinet's sole obligation shall be to repair or replace the defective Hardware at no charge to the original owner. This obligation is exclusive of transport fees, labor or installation costs, and any other cost which are not directly associated to the Product. 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.

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