



# Configuring

## Web-based Manager

Use the following procedure to connect to the web-based manager for the first time. Configuration changes made with the web-based manager are effective immediately without resetting the FortiAnalyzer unit or interrupting service.

### To connect to the web-based manager

- Connect the Port 1 interface of the FortiAnalyzer unit to Ethernet port of the management computer.  
Use a cross-over Ethernet cable to connect the devices directly. Use straight-through Ethernet cables to connect the devices through a hub or switch.
- Configure the management computer to be on the same subnet as the FortiAnalyzer Port 1 interface.  
To do this, change the IP address of the management computer to 192.168.1.2 and the netmask to 255.255.255.0.
- To access the FortiAnalyzer web-based manager, in your browser, go to <https://192.168.1.99> (remember to include the "s" in https://).
- Type `admin` in the Name field and select Login.

After connecting to the Web-based manager, you can configure the FortiAnalyzer unit IP address, DNS server IP address, and default gateway to connect the FortiAnalyzer unit to the network.

### To configure interfaces

- Go to **System > Network > Interface**.
- Select the edit icon for each interface to configure.
- Set the IP address and netmask for the interface.
- Select OK.

### To configure the Primary and Secondary DNS server IP addresses

- Go to **System > Network > DNS**, enter the Primary and Secondary DNS IP addresses select Apply.

### To configure a Default Gateway

- Go to **System > Network > Routing** and select Create New.
- Set Gateway to the Default Gateway IP address and select OK.

### Adding an administration password

By default, the admin user does not have a password. To restrict access to the FortiAnalyzer unit management account, add password for the admin user account.

### To add the admin user account password

- Go to **System > Admin**.
- For the admin user, select the Change Password icon.
- Enter a new password in the New Password box.
- Reenter the password to Confirm Password box.
- Select OK.

## Command Line Interface

The FortiAnalyzer unit has serial port. Use the null modem cable to connect it to your management computer.

### To connect to the FortiAnalyzer unit

- Use a RJ-45 to DB-9 cable to connect the FortiAnalyzer serial port to the management computer serial port.

- Start a terminal emulation program (such as HyperTerminal) on the management computer. Use these settings: Baud Rate 9600, Data bits 8, Parity None, Stop bits 1, Flow Control None.
- At the login: prompt, type `admin` and press Enter twice.  
(The login prompt is preceded by the server default host name.)

After connecting to the CLI, you can configure the FortiAnalyzer unit IP address, DNS server IP address, and default gateway to connect the FortiAnalyzer unit to the network.

### To configure the FortiAnalyzer unit using the CLI

- Set the IP address and netmask of the Port1 interface.

```
config system interface
  edit port1
    set ip <intf_ip>/<netmask_ip>
  end
```

- Configure the primary and secondary DNS server IP addresses.

```
config system dns
  set primary <dns-server_ip>
  set secondary <dns-server_ip>
end
```

- Configure the default gateway.

```
config system route
  edit 1
    set device <interface>
    set dst <destination_ip>
    set gateway <gateway_ip>
  end
```

### Shutting down the FortiAnalyzer unit

When powering off the FortiAnalyzer 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 FortiAnalyzer hard disk.

### To power off the FortiAnalyzer unit

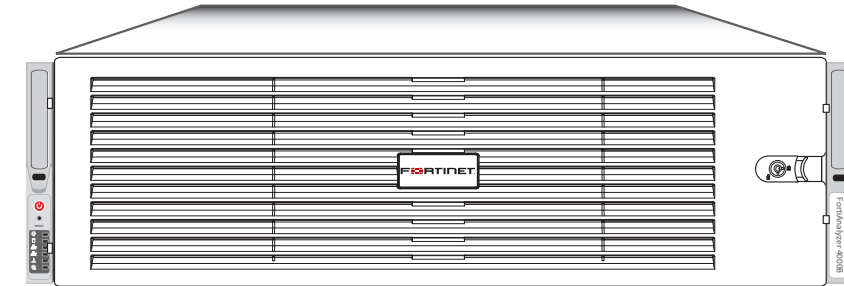
- Go to **System > Dashboard**.
- In the System Operation list, select Shut Down.
- Once the indicates the shut down procedure has completed, disconnect the FortiAnalyzer unit from the power source.

### Shutting down the FortiAnalyzer unit using the CLI

Enter the following command at the prompt:

```
execute shutdown
```

# FortiAnalyzer-4000B



AC Power	1000W/1200W 100-140V/180-240V OUTPUT 12V 83A/12V 100A +5VSB ROHS-6
Chassis	4U
Dimensions	7" (17.8 cm) x 17.2" (43.7 cm) x 27.5" (69.9 cm)
Network Interfaces	2 10/100/1000 Ethernet (Base-T) 2 SFP 2 USB connections 1 Console port
Disk Storage Capacity	24 3.5" Hot-swap SATA HDD bays — 6 x 1 TB hard drives installed

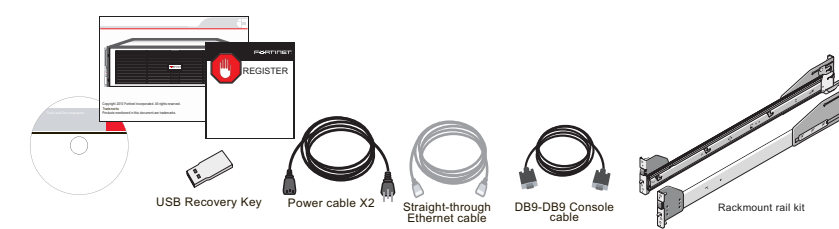
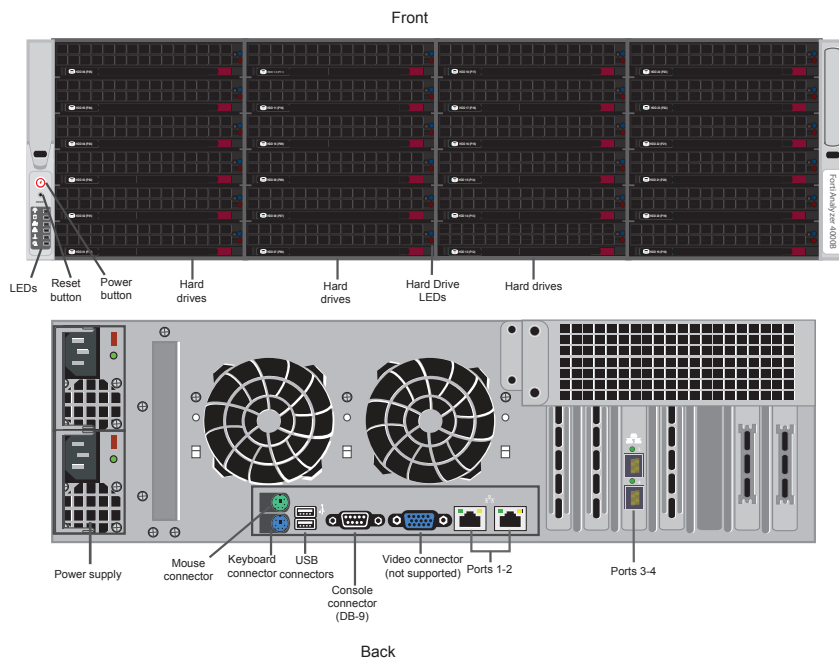
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Regulatory Compliance  
FCC Class A Part 15, UL/CB/CUL, C Tick, VCCI  
03 December 2010

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# Package Contents



# LED Description

LED	State	Description
Power 	Green	Indicates power is being supplied to the system's power supply units. This LED should normally be illuminated when the system is operating.
HDD 	Green Flashing	Indicates SATA drive activity when flashing.
NIC1 	Green Flashing	Indicates network activity on GLAN1.
NIC2 	Green Flashing	Indicates network activity on GLAN2.
Overheat/ Fan Fail 	Green	Indicates overheat condition.
	Green Flashing	Indicates fan failure.
Power Failure 	Red Flashing	Indicates a failure in the redundant power supply.
Port 1 and 2	Activity (right) Off	Port has power and network connection.
	Activity (right) Amber flashing	Network data is being sent or received.
	Link/speed (left) indicator is Amber	Connected at 1000 Mbps.
	Link/speed (left) indicator is Green	The interface is connected at 100 Mbps.
	Link/speed (left) indicator is Off	The interface is connected at 10 Mbps.
Port 3 and 4	Activity (left) Green	Port has power and network connection.
	Activity (left) Green flashing	Network data is being sent or received.
	Link/speed (right) indicator is Green	Connected at 1000 Mbps.
SATA Drives	Blue	Drive is present and available.
	Blue Flashing	Drive is actively being accessed.
	Red	Indicates RAID activity on spare disks or drive failure.
	Red Flashing	RAID activity.
Power Supply	Amber	Stand-by mode.
	Green	System is running with AC power.
	Off	No AC power or system fault.

# Interface Description

Interface	Type	Speed	Protocol	Description
Ports 1 to 2	RJ-45	10/100/1000 Base-T	Ethernet	Integrated 10/100/1000 NIC connectors.
Ports 3 to 4	SFP	1 Gbps/auto	Ethernet	Small form-factor pluggable transceiver.
USB	USB		USB	Two optional connections to a USB key.
Hard drives	1 TB SATA	7200 RPM		Can support up to 24 hard drives. Six 3.5" 1TB hard drive is provided.
Console	DB9	9600 bps 8/N/1	RS-232 serial	Optional connection to the management computer. Provides access to the command line interface (CLI).
Serial				Two serial ports connects a serial devices to the system.
VGA				One port to connect to a monitor.

# Installing and Connecting

## FortiAnalyzer-4000B unit

Ensure the unit is placed on a stable surface or install in a standard 19-inch rack. For details, see the "FortiAnalyzer-4000B Hardware Installation" chapter of the *FortiAnalyzer Version 4.0 MR2 Install Guide*.

Connect the following to the unit.

- Connect the system's power cable to the system.
- Plug the other end of the power cable 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 FortiAnalyzer unit. Insert the other end to the router connected to the Internet, or to the modem.
- Press the power button on the system.

## SFP Transceivers

**Caution:** Do not force the SFP transceivers into the cage slots. You can damage the connector if handling the SFP transceivers by holding the release Latch. 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.

*To install the transceivers*

- Remove the caps from SFP cage sockets on the front panel.
- Hold the sides of the SFP transceiver and slide the SFP transceiver into the cage socket until it clicks into place.

# Recovering

If the FortiAnalyzer unit becomes unresponsive, you can use the USB recovery key to reset the unit. For details, see the "Firmware Maintenance" chapter in the *FortiAnalyzer Version 4.0 MR2 Install Guide*. This document is available on the Documentation CD shipped with your unit. You can also find the guide online at [http://docs.fortinet.com/fa\\_install.htm](http://docs.fortinet.com/fa_install.htm).

# Factory Defaults

Administrator user name	admin
Administrator password	(none)
<b>NAT/Route mode</b>	
Port 1	192.168.1.99
Port 2	192.168.2.99
Port 3	192.168.3.99
Port 4	192.168.4.99

To reset the unit to the factory defaults, in the CLI type the command:  
execute factory reset