

LED	State	Description
LCD panel	Blue	Normal system operation. Flashes when the System ID button is pressed.
	Amber	System requires attention. An error code and message is shown.
Hard drive	Green	Drive online.
	Slow green blinking	Drive rebuilding.
	Blinks amber 4 times per second	Drive failed.
	Blinks green, amber, and off	Drive predicted failure.
	Blinks green 2 times per second	Identify drive/preparing for removal.
	Blinks green 3 seconds, amber 3 seconds, and off 6 seconds	Rebuild aborted.
	Off	Drive ready for insertion or removal
Port 1 and 2	Activity (right) Off	Port has power and network connection.
	Activity (right) Green flashing	Network data is being sent or received.
	Link/speed (left) indicator is Green	Connected at 1000 Mbps.
	Link/speed (left) indicator is Amber	The interface is connected at 100 or 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.
	Link/speed (right) indicator is Amber	The interface is connected at 100 Mbps.
	Link/speed (right) indicator is Off	Connected at 10 Mbps.
System Status indicator	Blue	Power indicator on the back of the system. Flashes when the System ID button is pressed.

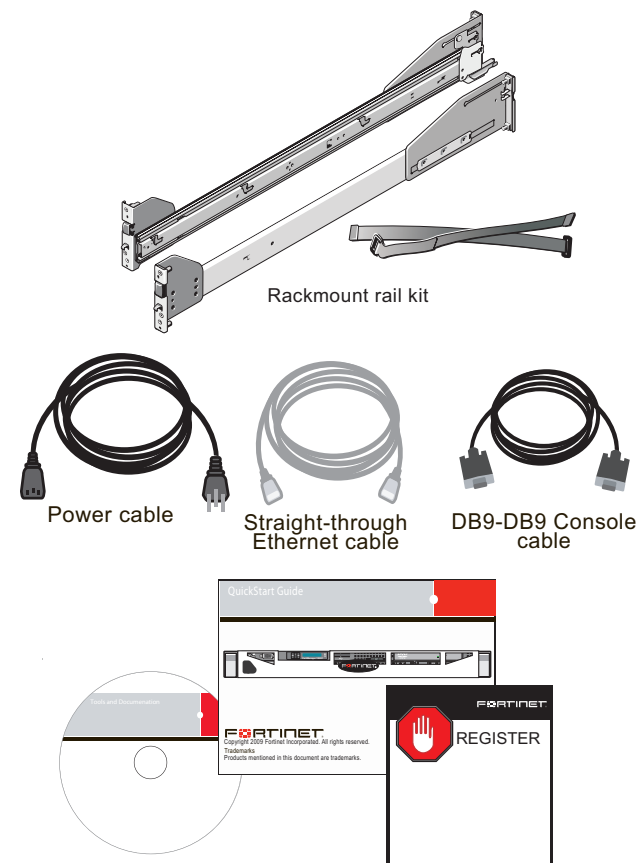
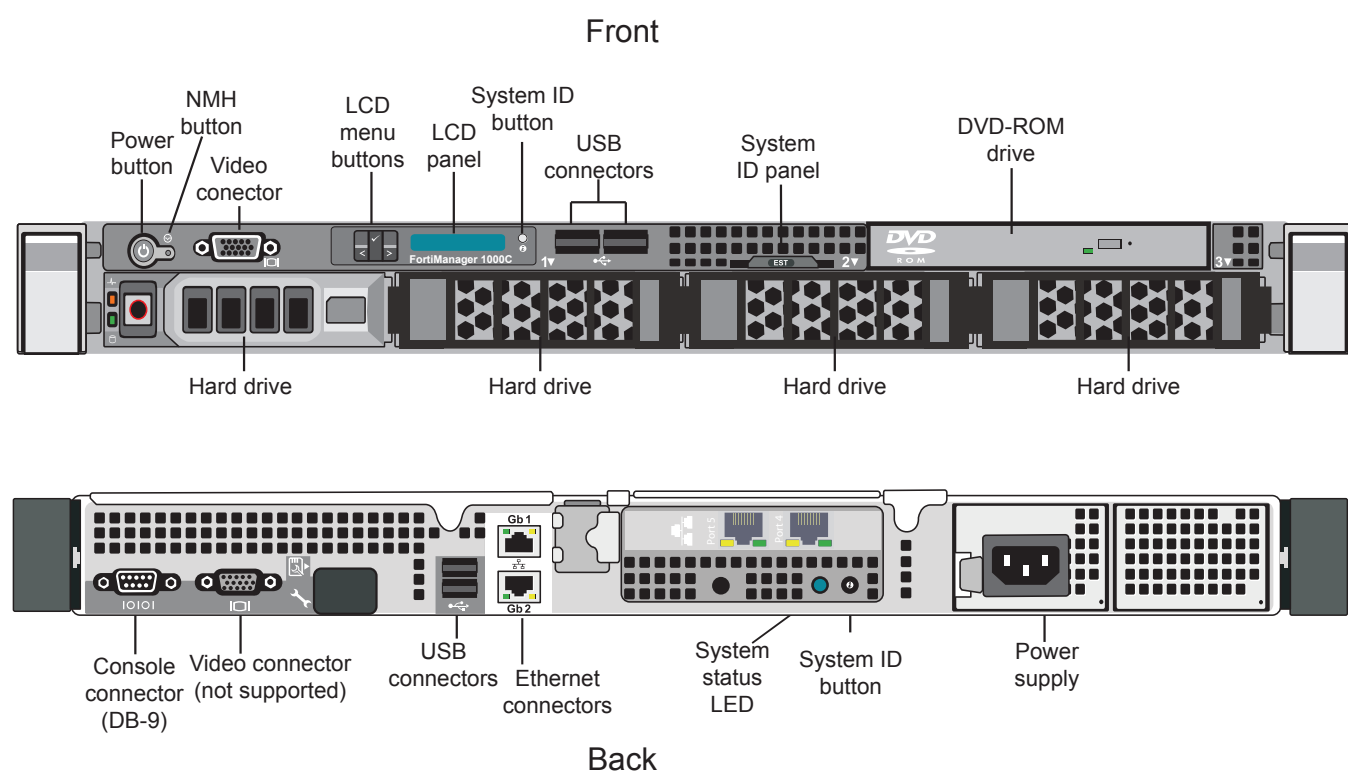


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 Regulatory Compliance  
 FCC Class B Part 15 CSA/CUS  
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## Package Contents

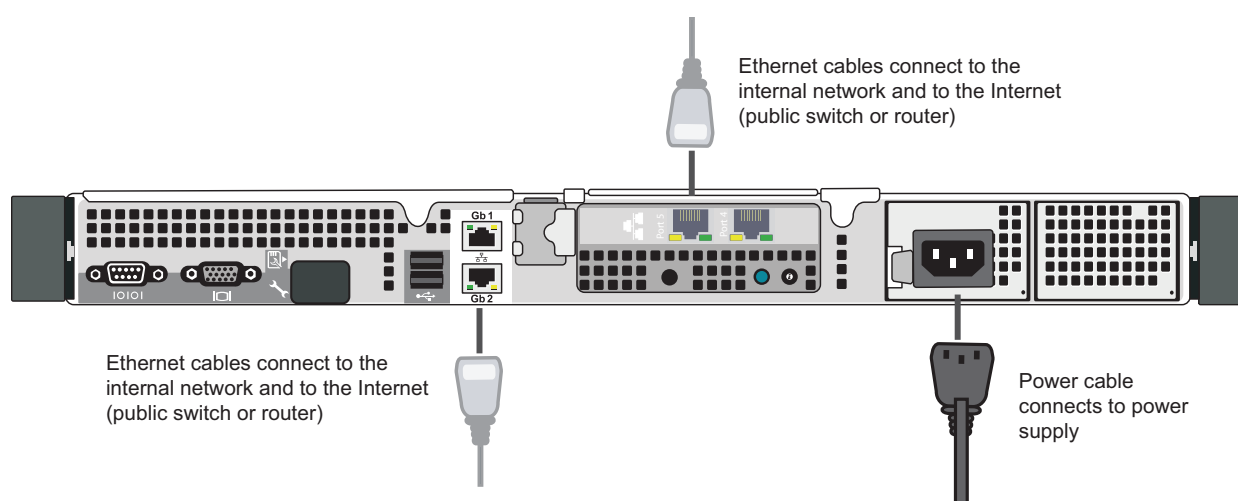
Interface	Type	Speed	Protocol	Description
Ports 1 to 4	RJ-45	10/100/1000 Base-T	Ethernet	Integrated 10/100/1000 NIC connectors.
USB	USB		USB	Four optional connections to a USB key for firmware backup and installation.
Hard drives	1 TB			One 3.5" 1TB hard drive is provided. Can support up to four hard drives.
Console	DB-9	9600 bps 8/N/1	RS-232 serial	Optional connection to the management computer. Provides access to the command line interface.
Serial				Connects a serial device to the system. Baud Rate 9600, Data bits 8, Parity None, Stop bits 1.
System ID button				The ID buttons on the front and back panels are used to locate a system in a rack. When one of these buttons is pushed, the LCD panel on the front and the System Status indicator on the back flash blue until one of the buttons is pushed again.



## Connecting

Connect the following to the unit. Ensure the unit is placed on a stable surface or install in a standard 19 inch rack. See the *FortiManager-1000C Install Guide* for details.

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



# Configuration Tools

## Web-based manager

The web-based manager is an easy to use management tool. Use it to configure the administrator password, the interface and default gateway addresses, add Fortinet devices and configure reports.

### Requirements:

- An Ethernet connection between the unit and management computer.
- A web browser such as FireFox or Internet Explorer on the management computer.

# Collecting Information

## Port Information

Port 1	IP:	_____
	Netmask:	_____
Port 2	IP:	_____
	Netmask:	_____
Port 3	IP:	_____
	Netmask:	_____
Port 4	IP:	_____
	Netmask:	_____

The internal interface IP address and netmask must be valid for the internal network.

## Command Line Interface (CLI)

The CLI is a full-featured management tool. Use it to configure the administrator password, the interface addresses, the default gateway address, and the DNS server addresses. To configure advanced settings, see the Tools and Documentation CD included with the unit.

### Requirements:

- The DB9 serial connection between the unit and management computer.
- A terminal emulation application (HyperTerminal for Windows) on the management computer.

# 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 Config are effective immediately without resetting the unit or interrupting service.

### To connect to the web-based manager

1. Connect the Port 1 interface of the 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.
2. Configure the management computer to be on the same subnet as the 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.
3. To access the web-based manager, in your browser, go to <https://192.168.1.99> (remember to include the "s" in <https://>).
4. Type `admin` in the Name field and select Login.

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

### To configure interfaces

1. Go to **System Settings > Network > Interface**.
2. Click the edit icon to configure each interface.
3. Set the IP address and netmask for the interface.
4. Click OK.

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

1. Go to **System Settings > Network > DNS**, enter the Primary and Secondary DNS IP addresses click Apply.

### To configure a Default Gateway

1. Go to **System Settings > Network > Static Routing** and select Create New.
2. Set Gateway to the Default Gateway IP address and click OK.

## Adding an administration password

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

### To add the admin user account password

1. Go to **System Settings > Administration > Administrator**.
2. Select the admin user name to edit the profile.
3. Select the Change Password checkbox.
4. Enter the old password.
5. Enter a new password in the New Password and Confirm Password fields.
6. Click OK.

## Adding an administration password using the CLI

To add an administration password in the CLI enter the following commands:

```
config fmsystem admin user
edit admin
set password
please input password value <password>
```

## General settings

Administrative account settings	User name	admin
	Password	(none)
Network Settings	Default Gateway:	_____
	Primary DNS Server:	_____
	Secondary DNS Server:	_____

A default gateway is required for the FortiGate unit to route connections to the Internet.

## Factory default settings

Port 1 interface	192.168.1.99
Port 2 interface	0.0.0.0
Port 3 interface	0.0.0.0
DHCP server on Internal interface	0.0.0.0

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

# 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 Config are effective immediately without resetting the unit or interrupting service.

### To connect to the web-based manager

1. Connect the Port 1 interface of the 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.
2. Configure the management computer to be on the same subnet as the 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.
3. To access the web-based manager, in your browser, go to <https://192.168.1.99> (remember to include the "s" in <https://>).
4. Type `admin` in the Name field and select Login.

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

### To configure interfaces

1. Go to **System Settings > Network > Interface**.
2. Click the edit icon to configure each interface.
3. Set the IP address and netmask for the interface.
4. Click OK.

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

1. Go to **System Settings > Network > DNS**, enter the Primary and Secondary DNS IP addresses click Apply.

### To configure a Default Gateway

1. Go to **System Settings > Network > Static Routing** and select Create New.
2. Set Gateway to the Default Gateway IP address and click OK.

## Adding an administration password

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

### To add the admin user account password

1. Go to **System Settings > Administration > Administrator**.
2. Select the admin user name to edit the profile.
3. Select the Change Password checkbox.
4. Enter the old password.
5. Enter a new password in the New Password and Confirm Password fields.
6. Click OK.

## Adding an administration password using the CLI

To add an administration password in the CLI enter the following commands:

```
config fmsystem admin user
edit admin
set password
please input password value <password>
```

## Command Line Interface

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

### To connect to the unit

1. Use a null modem cable to connect the serial port to the management computer serial port.
2. 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.
3. 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 unit IP address, DNS server IP address, and default gateway to connect the unit to the network.

### To configure the unit using the CLI

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

```
config fmsystem interface
edit port1
set ip <intf_ip>/<netmask_ip>
end
```
3. Configure the primary and secondary DNS server IP addresses.

```
config fmsystem dns
set primary <dns-server_ip>
set secondary <dns-server_ip>
end
```
4. Configure the default gateway.

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

## Shutting down the unit

When powering off the 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 hard disk.

### To power off the unit

1. Go to **System Settings > General > Dashboard**.
2. In the System Operation list, select Shut Down.
3. Click Go.
4. Once the indicates the shut down procedure has completed, disconnect the unit from the power source.

## Shutting down the unit using the CLI

Enter the following command at the prompt:

```
execute shutdown
```

Visit these links for more information and documentation for your Fortinet product.

Technical Documentation - <http://docs.fortinet.com>  
Fortinet Technical Support - <http://support.fortinet.com>

Fortinet Knowledge Center - <http://kb.fortinet.com>  
Training Services - <http://campus.training.fortinet.com>