

# Configuring

## NAT/Route mode

You would typically use NAT/Route mode when the FortiGate unit is deployed as a gateway between private and public networks. In its default NAT/Route mode configuration, the unit functions as a firewall. Firewall policies control communications through the FortiGate unit.

## Transparent mode

You would typically use the FortiGate unit in Transparent mode on a private network behind an existing firewall or behind a router. In its default Transparent mode configuration, the unit functions as a firewall.

## Web-based Manager

1. Connect the FortiGate MGMT1 interface to a management computer Ethernet interface. 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 MGMT1 interface of the FortiGate unit. 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 FortiGate web-based manager, start a web browser and type the address `http://192.168.1.99`
4. Type `admin` in the Name field and click Login.

## NAT/Route mode

### To change the administrator password

1. Go to **System > Admin > Administrators**.
2. Select **Change Password** for the admin administrator and enter a new password.

### To configure interfaces

1. Go to **System > Network > Interface**.
2. Select the edit icon for each interface to configure.
3. Set the addressing mode for the interface. (See the online help for information.)
  - For manual addressing, enter the IP address and netmask for the interface.
  - For DHCP addressing, select DHCP and any required settings.
  - For PPPoE addressing, select PPPoE, and enter the username and password and any other required settings.

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

1. Go to **System > Network > Options**, enter the Primary and Secondary DNS IP addresses that you recorded above and select **Apply**.

### To configure a Default Gateway

1. Go to **Router > Static** and select **Edit** icon for the static route.
2. Set **Gateway** to the Default Gateway IP address you recorded above and select **OK**.

## Transparent mode

### To switch from NAT/route mode to transparent mode

1. Go to **System > Config > Operation Mode** and select **Transparent**.
2. Set the **Management IP/Netmask** to 192.168.1.99/24.
3. Set a default **Gateway** and select **Apply**.

### To change the administrator password

1. Go to **System > Admin > Administrators**.
2. Select **Change Password** for the admin administrator and enter a new password.

### To change the management interface

1. Go to **System > Config > Operation Mode**.
2. Enter the **Management IP address** and **netmask** that you recorded above and select **Apply**.

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

1. Go to **System > Network > Options**, enter the Primary and Secondary DNS IP addresses that you recorded above and select **Apply**.

## Command Line Interface

1. Use the RJ-45 to DB9 serial cable to connect the FortiGate Console port to the management computer serial port.
2. Start a terminal emulation program (HyperTerminal) on the management computer. Use these settings: Baud Rate (bps) 9600, Data bits 8, Parity None, Stop bits 1, and Flow Control None.
3. At the Login: prompt, type `admin` and press **Enter** twice (no password required).

## NAT/Route mode

1. Configure the FortiGate MGMT1 interface.

```
config system interface
  edit MGMT1
    set ip <intf_ip>/<netmask_ip>
  end
```

2. Repeat to configure each interface, for example, to configure the Port 1 interface.

```
config system interface
  edit port1
    ...
```

3. Configure the primary and secondary DNS server IP addresses.

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

4. Configure the default gateway.

```
config router static
  edit 1
    set gateway <gateway_ip>
  end
```

## Transparent Mode

1. Change from NAT/Route mode to Transparent mode and configure the Management IP address.

```
config system settings
  set opmode transparent
  set manageip <mng_ip>/<netmask>
  set gateway <gateway_ip>
end
```

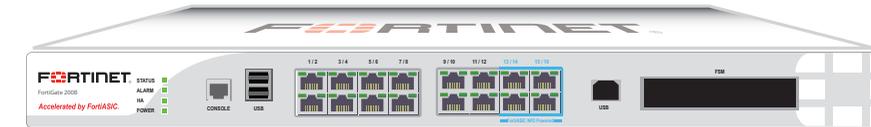
2. Configure the DNS server IP address.

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

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

Technical Documentation - <http://docs.fortinet.com> Fortinet Knowledge Center - <http://kb.fortinet.com>  
 Technical Support - <http://support.fortinet.com> Training Services - <http://campus.training.fortinet.com>

# FortiGate-200B

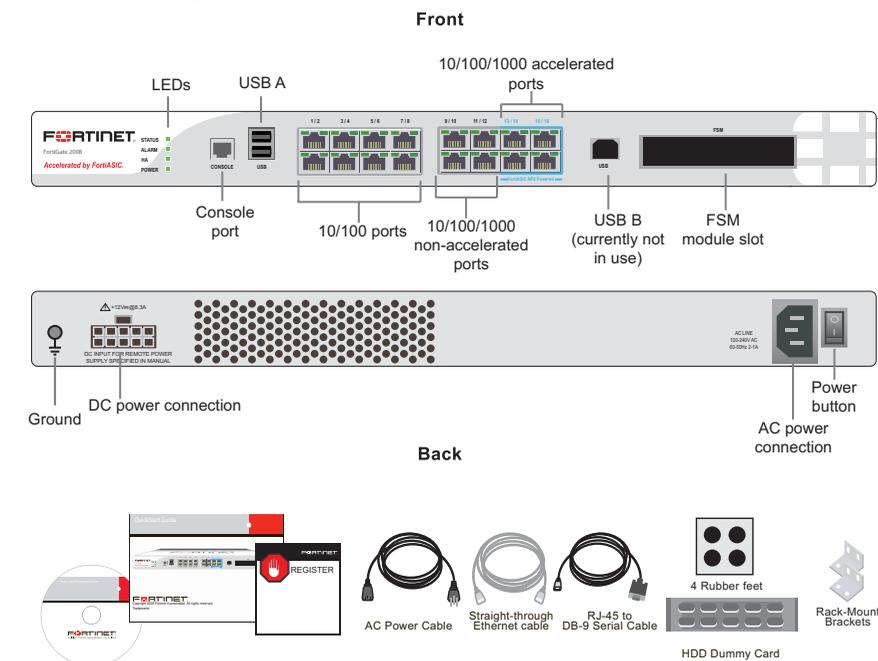


AC Power Required	100-240VAC, 60-50 Hz, 2-1 Amp
Chassis	1U
Network Interfaces	8 10/100 ports 4 10/100/1000 non-accelerated ports 4 10/100/1000 accelerated ports 1 Console port 2 USB A 1 USB B
FSM slots	1 64GB SSD (not included)

# FORTINET®

© Copyright 2010 Fortinet Incorporated. All rights reserved.  
 Products mentioned in this document are trademarks or registered trademarks of their respective holders.  
 Regulatory Compliance  
 FCC Class A Part 15, / CE Mark  
 15 June 2010

# Package Contents



# LED Description

LED	State	Description	
Power	Green	The unit is on.	
	Off	The unit is off.	
Status	Green flashing	The unit is starting up.	
	Green	The unit is running normally.	
HA	Green	The unit is being used in an HA cluster.	
Alarm	Red	A critical error has occurred.	
	Amber	A minor error has occurred.	
	Off	No errors detected.	
Ports 1 to 8	Link/Activity	Green Flashing	Port is online. Port is sending or receiving data.
	Speed	Off	Connected at 10 Mbps.
		Amber	Connected at 100 Mbps.
Ports 9 to 16	Link/Activity	Green Flashing	Port is online. Port is sending or receiving data.
	Speed	Green	Connected at 1000Mbps.
		Amber	Connected at 100 Mbps.
		Off	Connected at 10 Mbps.

# Interface Description

Interface	Type	Speed	Protocol	Description
Console	RJ-45		Ethernet	Connection to the management computer. Provides access to the command line interface (CLI).
Ports 1 to 8	RJ-45	10/100 Base-T	Ethernet	LAN ports configurable by a switch (by default).
Ports 9 to 12	RJ-45	10/100/1000 Base-T	Ethernet	Non-accelerated ports.
Ports 13 to 16	RJ-45	10/100/1000 Base-T	Ethernet	ASIC accelerated ports.
USB	USB A		USB	Optional connections for the USB key, modem, or backup operation.
USB Management	USB B			For future use.
FSM	FSM			Fortinet Storage Module. One SATA hard disk drive slot supports 2.5 inch solid state drives.

# Factory Defaults

Administrator user name	admin
Administrator password	(none)
<b>NAT/Route mode</b>	
Port 1	192.168.1.99
Port 9	192.168.100.99

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

# Connecting

Ensure the FortiGate unit is placed on a stable surface. Connect the following to the FortiGate unit:

- Connect the RJ-45 to DB-9 serial cable into the Console port on the unit. Insert the other end into the management computer.
- Insert the ethernet cable into a port. Insert the other end to the router connected to the Internet, or to the modem.
- Connect the AC power cable to the power supply on the back of the unit.
- Connect the power cord to a surge protected power bar or power supply.

## FSM Modules

Caution: When installing the FSM module, ensure that the FORTINET and/or "THIS SIDE UP" labels are orientated upwards when inserting the module into the unit.

*To insert the FSM module*

1. Insert the module into the FSM slot on the unit with the Fortinet and/or "This Side Up" labels facing upwards.
2. Close the latch.

# Configuration Tools

## Web Config

Web Config is an easy to use management tool. Use it to configure the administrator password, the interface and default gateway addresses, and the DNS server addresses, add devices for log collection and configure reports.

*Requirements:*

- An Ethernet connection between the Fortinet unit and management computer.
- A web browser on the management computer.

## 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-ROM.

*Requirements:*

- The RJ-45 to DB-9 serial connection between the Fortinet unit and the management computer.
- A terminal emulation application (HyperTerminal for Windows) on the management computer.