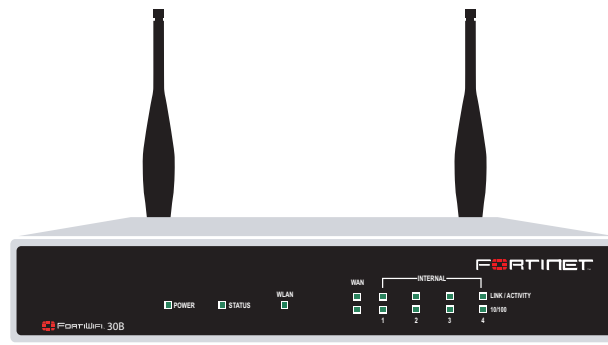


LED	State	Description
Power	Green	The unit is on.
	Off	The unit is off.
Status	Green	On during start up or reboot.
	Off	Normal operation.
WLAN	Flashing Green	Flashing when enabling Wireless LAN port.
	Green	Wireless LAN port is up.
	Off	Wireless LAN port is down.
Link / Activity	Green	The correct cable is in use and the connected equipment has power.
	Flashing Green	Network activity at this interface.
	Off	No link established.
10/100	Green	The interface is connected at 100 Mb.

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

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

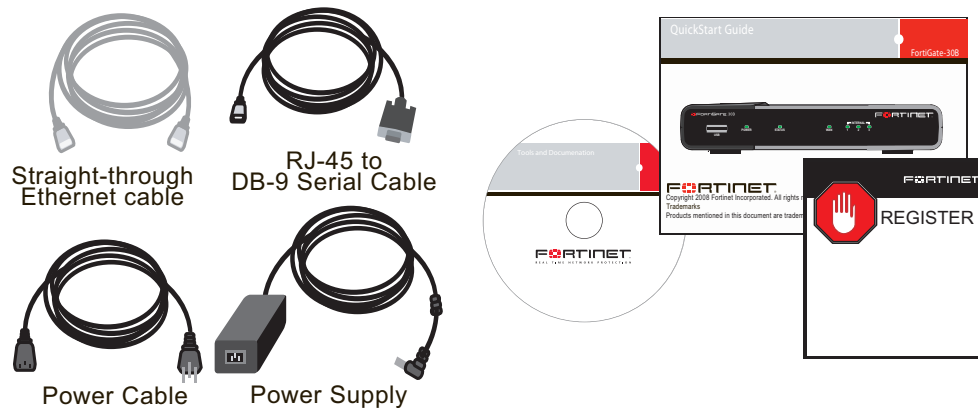
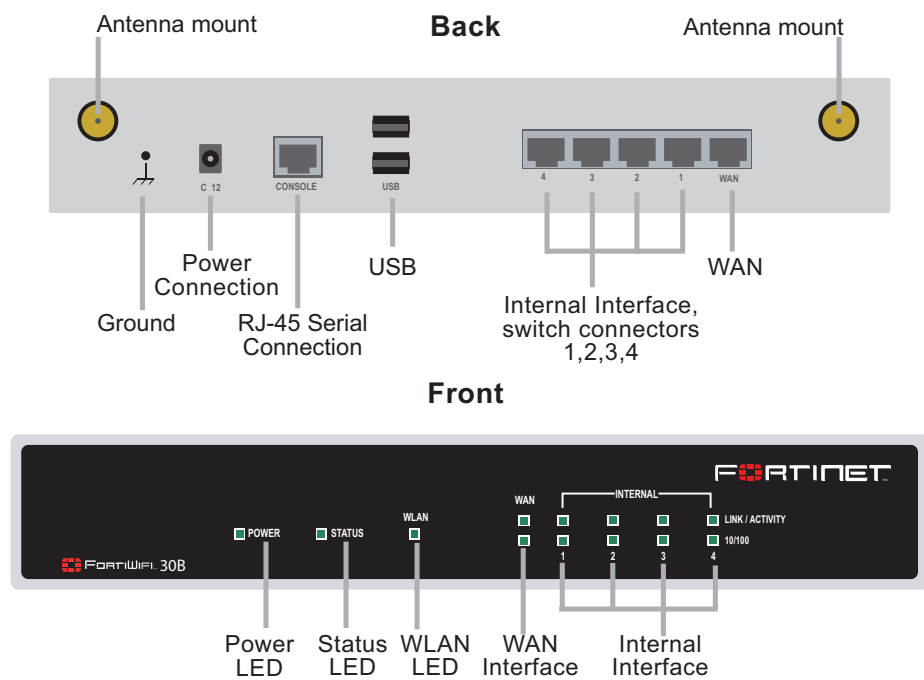


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 Regulatory Compliance
 FCC Class B Part 15 CSA/CUS
 20 May 2009

01-30007-97324-20090520

Package Contents

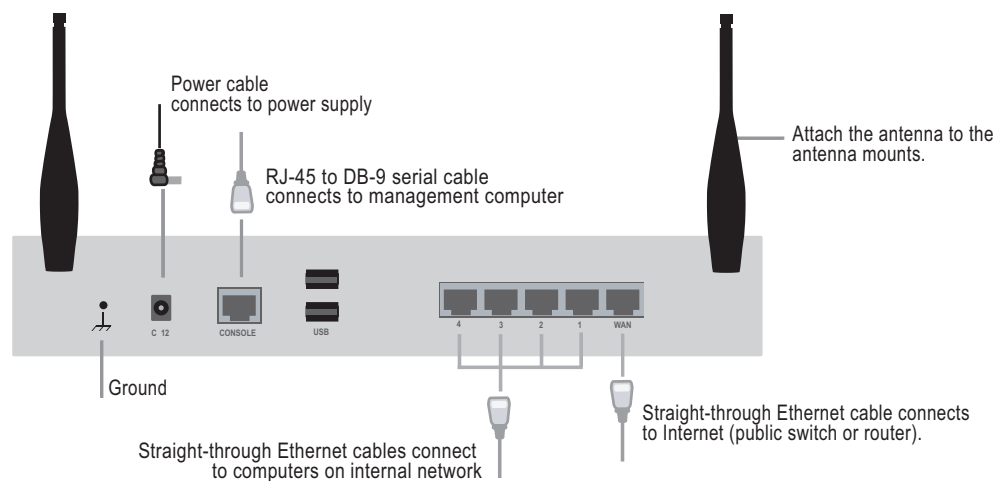
Connector	Type	Speed	Protocol	Description
Internal	RJ-45	10/100 Base-T	Ethernet	4-port switch connection to up to four devices on the internal network.
WLAN	Antenna		802.11 b/g	Wireless connections to LAN.
WAN	RJ-45	10/100 Base-T	Ethernet	Connection to the Internet.
CONSOLE	RJ-45	9600 bps 8/N/1	RS-232 serial	Optional connection to the management computer. Provides access to the command line interface (CLI).
USB	USB		USB	Optional connection for USB key for firmware backup and installation.



Connecting

Connect the FortiWiFi unit to a power outlet and to the internal and external networks.

- Affix the rubber feet to the underside of the FortiWiFi unit, and attach the antennas to the antenna mounts on the back of the FortiWiFi unit.
- Place the unit on a stable surface. Make sure the FortiWiFi unit has adequate air flow for cooling.
- Place the FortiWiFi unit in a prominent location within a room for maximum coverage, rather than in a corner.
- Be aware of the construction of your environment, concrete and metal walls can hamper signal strength.
- Keep the AP and wireless devices at least 10 feet away from appliances such as microwave ovens and cordless phones.



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, and the DNS server addresses.

Requirements:

- An Ethernet connection between the unit and management computer.
- A web browser such as FireFox or Internet Explorer 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 DB9 serial connection between the unit and management computer.
- A terminal emulation application (HyperTerminal for Windows) on the management computer.

Collecting Information

NAT/Route Mode

Internal Interface:	IP:	_____
	Netmask:	_____
WAN Interface:	IP:	_____
	Netmask:	_____
WLAN Interface	IP:	_____
	Netmask:	_____

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

Transparent mode

Management IP:	IP:	_____
	Netmask:	_____

The management IP address and netmask must be valid for the network from which you will manage the unit.

General settings

Administrator password:		
Network Settings:	Default Gateway:	_____
	Primary DNS Server:	_____
	Secondary DNS Server:	_____

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

Factory default settings

NAT/Route mode		Transparent mode	
Internal interface	192.168.1.99	Management IP	0.0.0.0
WAN interface	192.168.100.99	Wireless settings	
WLAN interface	10.10.80.1	SSID	fortinet
Administrative account settings		Geography	World
User name	admin	Channel	5
Password	(none)		

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

Configuring

NAT/Route Mode

In NAT/Route mode, the unit is visible to the network that it is connected to. All of its interfaces are on different subnets. Each interface connected to a network must be configured with an IP address that is valid for that network.

You would typically use NAT/Route mode when the 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 unit.

In NAT/Route mode, firewall policies can operate in NAT mode or in Route mode. In NAT mode, the unit performs network address translation before IP packets are sent to the destination network. In Route mode, no translation takes place.

Transparent Mode

In Transparent mode, the unit is invisible to the network. All of its interfaces are on the same subnet. You only have to configure a management IP address so that you can make configuration changes.

You would typically use the 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. You can connect up to three network segments to the unit to control traffic between these network segments.

Web-based Manager

1. Connect the internal interface to a management computer Ethernet interface. 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 internal interface of the 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 web-based manager, start Internet Explorer and browse to <https://192.168.1.99> (remember to include the "s" in https://).
4. Type admin in the Name field and select 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 unit's 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 internal interface.

```
config system interface
    edit internal
        set ip <intf_ip>/<netmask_ip>
    end
```
2. Repeat to configure each interface, for example, to configure the WAN interface.

```
config system interface
    edit wan
        ...
```
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
```