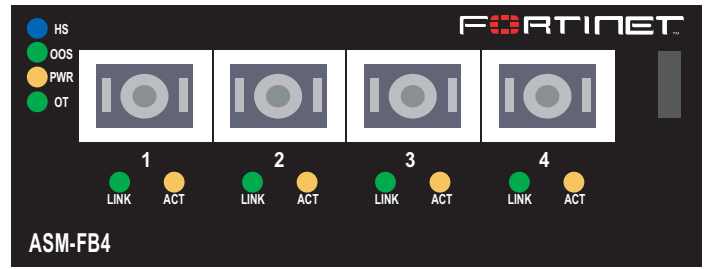


LED	State	Description
HS	Blue	Ejection latch open.
	Flashing	Ejection latch opened during system operation.
OOS		LED currently not in use.
PWR	Amber	The module is properly inserted in the FortiGate unit.
	Off	The module is not receiving power from the FortiGate unit.
OT		LED currently not in use.
LINK	Green	The correct cable is in use and the connected equipment has power.
	Off	No link established.
ACT	Flashing Amber	Network activity at this interface.
	Off	No network activity at this interface.



FortiGate-ASM-FB4

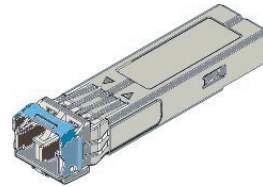
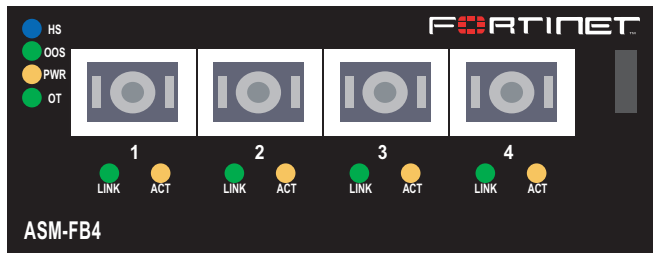


© Copyright 2007 Fortinet Incorporated. All rights reserved.  
 Products mentioned in this document are trademarks or registered trademarks of their respective holders.  
 Regulatory Compliance  
 FCC Class A Part 15 CSA/CUS  
 7 September 2007

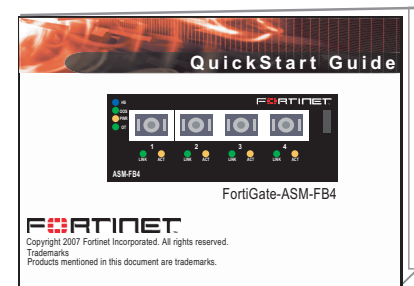
01-30005-0409-20070907

## 1 Checking the Package Contents

Connector	Type	Speed	Protocol	Description
Ports 1 to 4	SERDES compatible SX fiber	1000 Base-SX	Ethernet	Fiber network connections.



x4 SFP Transceivers



QuickStart Guide

## 2 Installing the transceivers

The FortiGate ASM-FB4 module ships with four SFP SERDES SX 1000Mbps fibre transceivers that you must install for normal operation of the FortiGate ASM-FB4 module. The SFP transceivers are inserted into cage sockets numbered 1 to 4 on the FortiGate ASM-FB4 front panel. You can install the SFP transceivers before or after inserting the FortiGate ASM-FB4 module into a FortiGate unit.

To complete this procedure, you need:

- A FortiGate- ASM-FB4 module
- Four SFP transceivers
- To avoid any electrostatic discharge, install in a static free area.

FortiGate ASM-FB4 modules must be protected from static discharge and physical shock. Only handle or work with FortiGate ASM-FB4 modules at a static-free workstation.

Handling the SFP transceivers by holding the release Latch can damage the connector. 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.

### To Install the transceivers

1. Remove the caps from SFP cage sockets on the FortiGate ASM-FB4 front panel.
2. Hold the sides of the SFP transceiver and slide SFP transceiver into the cage socket until it clicks into place.

The FortiGate ASM-FB4 also supports SGMII copper gigabit (10/100/1000) transceivers. Use the following CLI command to enable this type of transceiver:

```
config system interface
  edit AMC-SW1/1
    set mediatype serdes|sgmii
  end
```

## 3 Installing the AMC module

It is important to carefully seat the FortiGate ASM-FB4 module all the way into the chassis. Only then will the FortiGate ASM-FB4 module power-on.

To complete this procedure, you need:

- A FortiGate ASM-FB4 module
- A FortiGate chassis with an empty AMC single-width (SW) opening.
- To avoid any electrostatic discharge, install in a static free area.

FortiGate ASM-FB4 modules are not hot swappable. The procedure for inserting the FortiGate ASM-FB4 module into a FortiGate chassis slot requires the FortiGate unit to be powered off.

To avoid any electrostatic discharge (ESD) when handling FortiGate ASM-FB4 modules, install in a static free area.

### To insert a FortiGate ASM-FB4 module into a FortiGate chassis

1. Ensure the FortiGate unit is powered off before proceeding.
2. Remove the panel block on the FortiGate unit using the hot swap latch.
3. Pull the latch on the ASM-FB4 module to the extended position.
4. Insert the FortiGate ASM-FB4 module into the empty slot in the chassis. Ensure the Fortinet logo is right-side up. It should be on the upper-right corner of the module.
5. Carefully guide the module into the chassis.
6. Insert the module by applying moderate force to the front faceplate near the upper edge to slide the module into the slot.  
The module should glide smoothly into the chassis. If you encounter any resistance while sliding the module in, the module could be aligned incorrectly. Pull the module back out and try inserting it again.
7. Press the hot swap latch to lock in the module.
8. Power on the FortiGate unit.

### ASM-FB4 module ports

AMC/1	IP:	_____	AMC/3	IP:	_____
	Netmask:	_____		Netmask:	_____
AMC/2	IP:	_____	AMC/4	IP:	_____
	Netmask:	_____		Netmask:	_____

### Removing the AMC module

Should you need to remove the ASM-FB4, shut down the FortiGate unit using proper shut down procedures.

### To remove the ASM-FB4 module

1. Ensure the FortiGate unit is powered off before proceeding.
2. To avoid any electrostatic discharge (ESD) when handling FortiGate ASM-FB4 modules, install in a static free area.
3. Pull the hot swap latch on the right-hand side of the module to the extended position to unlock the module from the FortiGate unit.
4. Gently pull the hot swap latch to remove the module.