

Technical support
Fortinet Technical Support Web site: <http://support.fortinet.com>
Fortinet email support:

| | |
|---------------------------|---|
| amer_support@fortinet.com | For customers in the United States, Canada, Mexico, Latin America and South America. |
| apac_support@fortinet.com | For customers in Japan, Korea, China, Hong Kong, Singapore, Malaysia, all other Asian countries, and Australia. |
| eu_support@fortinet.com | For customers in the United Kingdom, Scandinavia, Mainland Europe, Africa, and the Middle East. |



QuickStart Guide

© Copyright 2005 Fortinet Incorporated. All rights reserved.

Trademarks

Products mentioned in this document are trademarks or registered trademarks of their respective holders.

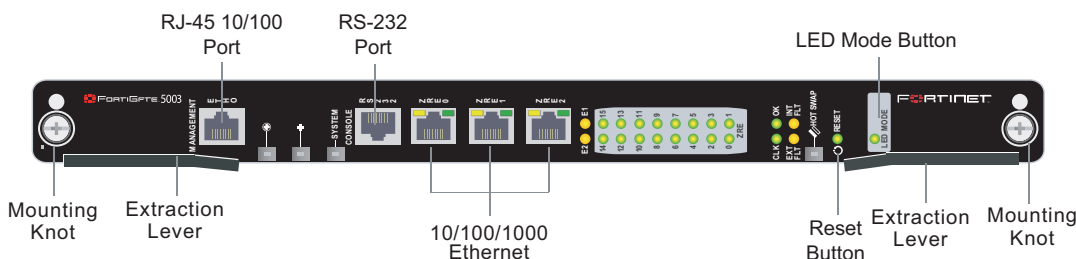
Regulatory Compliance

FCC Class A Part 15 CSA/CUS
 20 June 2005

For technical support please visit <http://www.fortinet.com>.

01-28005-0125-20050620

Installing the FortiGate-5003



| LED | State | Description |
|----------------|--------|---|
| + | Green | The FortiGate-5003 module is powered on. |
| | Yellow | Caution status. |
| ⊗ | Yellow | Out of service. Normally off. On for switch failure. |
| System Console | Green | Normal operation. |
| Port LED 0-15 | Yellow | Link/Activity mode - Port is not forwarding packets. Link/Speed mode - 1000 Mbps connection |
| | Green | Link/Activity mode - Blinking LED indicates network traffic. Link/Speed mode - 100 Mbps connection. |
| | Off | Link/Activity mode - No link. Link/Speed mode - 10 Mbps connection. |
| E1 | Yellow | Link/Activity mode - Port is not forwarding packets. Link/Speed mode - 1000 Mbps connection |
| | Green | Link/Activity mode - Blinking LED indicates network traffic. Link/Speed mode - 100 Mbps connection. |
| | Off | Link/Activity mode - No link. Link/Speed mode - 10 Mbps connection. |
| E0 | Yellow | Link/Activity mode - Port is not forwarding packets. Link/Speed mode - 1000 Mbps connection |
| | Green | Link/Activity mode - Blinking LED indicates network traffic. Link/Speed mode - 100 Mbps connection. |
| | Off | Link/Activity mode - No link. Link/Speed mode - 10 Mbps connection. |
| OK | Green | Initialization completed successfully. |
| EXT FLT | Yellow | Cannot establish link to a configured port or connection problem external to the adaptor. |
| INT FLT | Yellow | Failure of internal tests. Off during power up. |
| Hot Swap | Blue | On when switch is ready to remove and during hot swap. Off when switch is correctly installed. |
| Reset | | Press Reset for three seconds to restart switch. |
| LED Mode | | Change the port LED display function from Link/Activity mode to Link/Speed mode. |

Install the FortiGate-5003 module into a FortiGate 5050 or 5140 chassis. Always wear an ESD wrist strap or ankle strap to avoid static discharges.

You must install the FortiGate-5003 module in specific slots in the chassis. These specific slots are wired on the backplane for internal port switching capabilities. For the FortiGate-5050 and FortiGate-5140, install the FortiGate-5003 in slot 1 or 2.

Note: If you are using one FortiGate-5003 module, install the module in slot 2.

To install the FortiGate-5003 module

1. Extend the extraction levers.
2. Carefully slide the module into a chassis slot. The module is seated properly when it touches the chassis up to the extraction levers.
3. Lock the extraction levers by pushing them towards each other.
4. If power is supplied to the chassis, the FortiGate-5003 module powers on when the extraction levers are closed.
5. Tighten the mounting knots on the left and right sides of the FortiGate-5003 front panel.

| Connector | Type | Speed | Protocol | Description |
|------------------|-------|------------|---------------|---|
| ETH0 | RJ-45 | 100Base-T | Ethernet | Ethernet out of band management connection. |
| CONSOLE | RJ-45 | 9600 bps | RS-232 serial | Serial connection to the command line interface. |
| ZRE0, ZRE1, ZRE2 | RJ-45 | 1000Base-T | Ethernet | Redundant connections to another FortiGate-5000 series chassis. |

HA setup

Clustering FortiGate-5001 Antivirus Firewall modules

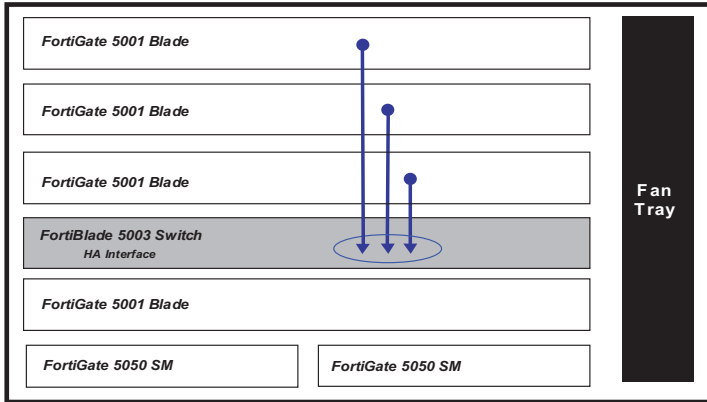
The FortiGate-5003 Switch Blade module is an HA component that is designed for use with the FortiGate-5050 and FortiGate-5140 chassis to provide full HA clustering capabilities between the FortiGate-5001 modules. The FortiGate-5003 acts as the switch, providing automatic connection through port 10 the backplane of the chassis. Using two FortiGate-5003 modules provides redundant HA interconnects with no single point of failure.

For information on configuring the FortiGate-5001 module for HA see the *FortiGate-5000 series Installation Guide*.

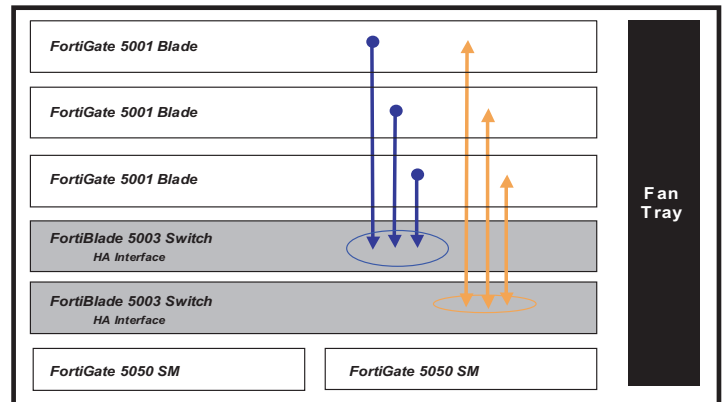
High Availability Modes

| | |
|--|--|
| Active-Active | Load balancing and failover HA. Each FortiGate unit in the HA cluster actively processes connections and monitors the status of the other FortiGate units in the cluster. The primary FortiGate unit in the cluster controls load balancing. |
| Active-Passive | Failover HA. The primary FortiGate unit in the cluster processes all connections. All other FortiGate units in the cluster are passively monitor the cluster status and remain synchronized with the primary FortiGate unit. |
| All members of the HA cluster must be set to the same HA mode. | |

FortiGate-5001 clusters using a single FortiGate-5003

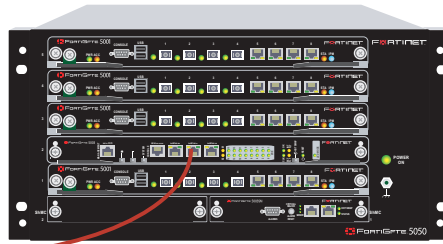
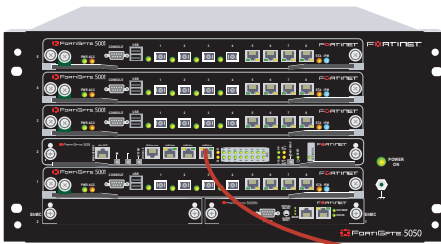


FortiGate-5001 clusters using a redundant FortiGate-5003



Clustering FortiGate-5000 series chassis

The FortiGate-5003 Switch Blade module provides full HA clustering capabilities between FortiGate-5050 and FortiGate-5140 chassis to provide inter-chassis communication. The FortiGate-5003 acts as the switch, providing automatic connection through port 10 the backplane of the chassis. The diagrams shown also apply to the FortiGate-5140 chassis.



FortiGate inter-chassis cluster using a single FortiGate-5003 module

Using the FortiGate-5003 for intercommunications provides inter-chassis HA links.

FortiGate-5050 inter-chassis cluster using redundant FortiGate-5003 modules.

Using two FortiGate-5003 in both chassis provides redundant inter-chassis communication with no single point of failure.

