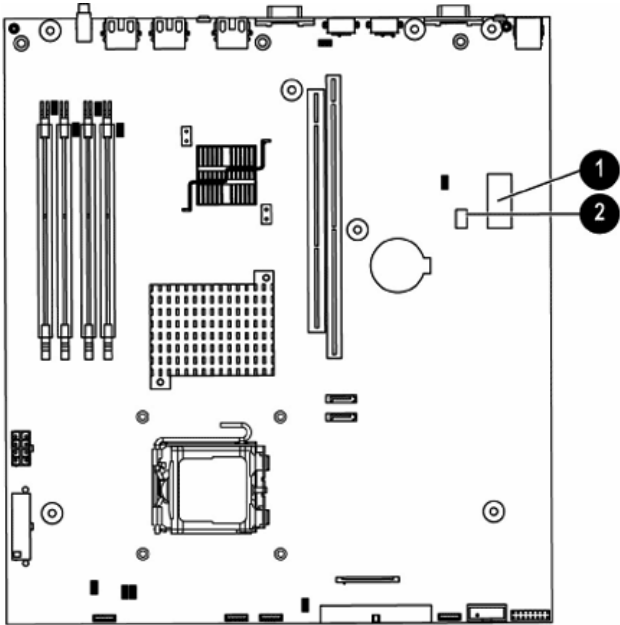


The server has a switch bank (SW1) for system configuration and a non-maskable interrupt switch (NMI button/SW3) that is used in the event of a service emergency that requires a complete data dump before restarting the operating system.

Refer to the **labels** on the inside of the server access panel or to the following sections for the proper switch settings. **Figure 1** shows the location of the system switches.

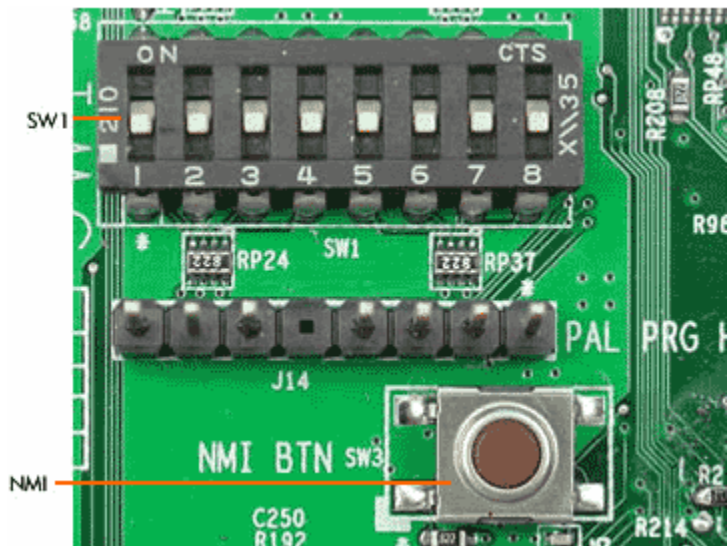
**Figure 1: System Switches location**



1 - System maintenance switch (SW1).

2 - NMI button (SW3)

**Figure 2: System Switches**



## System Maintenance Switch (SW1)

The SW1 (eight-position switch) on the system board is used to implement the various protections and override functions.

All eight switches will have the off position as the default configuration (defaults also shown in bold). This switch is also used to control a multiplexer to switch between port 84/85 and iLO diagnostic LEDs.

**NOTE:** The use of this switch to control the multiplexer is for debug purposes only.

System Maintenance Switch (SW1) Settings			
Position	Function	Setting	Description
1	Security Jumper	Off	OFF = iLO Security is enabled ON = iLO Security is disabled
2	Configuration Lock	Off	OFF = System configuration can be changed ON = System configuration is locked and cannot be changed
3	RESERVED	Off	OFF = Normal ON = Reserved
4	ROM_DEBUG	Off	OFF = System is in normal mode ON = System is in ROM DEBUG mode
5	Password Disable	Off	OFF = Power-On password works normally ON = Power-On password is disabled
6	Invalidate Configuration	Off	OFF = Normal ON = ROM treats system configuration as invalid
7	LED MUX select 1	Off	OFF = Normal ON = Reserved
8	LED MUX select 2	Off	OFF = Normal ON = Reserved

## Non-Maskable Interrupt Switch (NMI button/SW3)

When an operating system crashes, system administrators can initiate a non-maskable interrupt (NMI) event by pressing a dump switch. The NMI event enables a hung system to once again become responsive.

The NMI switch is used only in the event of a service emergency that requires a complete data dump in preparation for recovering the system from a catastrophic failure.