

Chapter 4

Connectors, Switches, Jumpers, and LEDs

This chapter provides connector, switch, jumper, and LED information for Compaq ProLiant 3000 Servers.

Connectors

This section contains information concerning all service LEDs located on the ProLiant 3000 Servers.

Rear Panel Connectors

Figure 4-1 depicts the rear panel connectors for ProLiant 3000 Servers. Table 4-1 gives the corresponding connector descriptions.

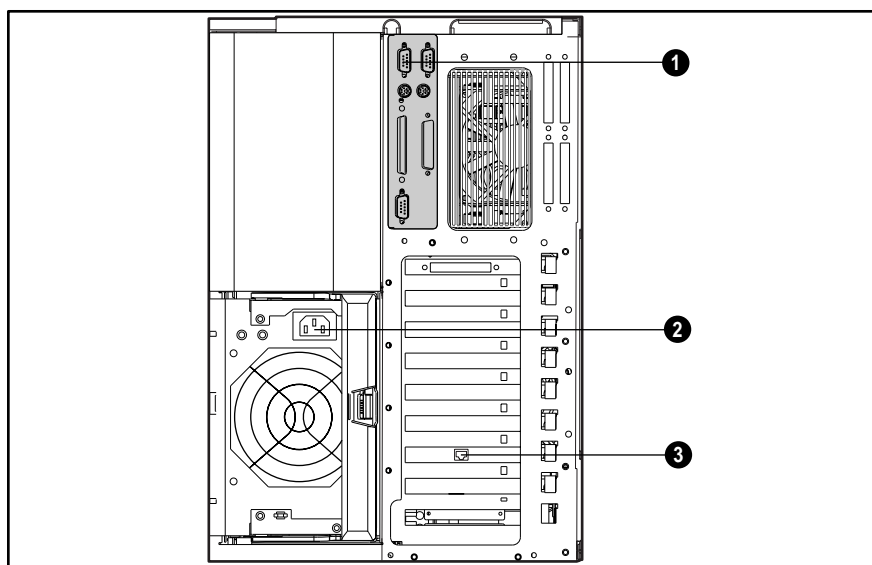


Figure 4-1. Rear panel connectors

Table 4-1
ProLiant 3000 Servers
Rear Panel Connectors

Reference	Connector
❶	System I/O board rear connectors (See "System I/O Board Connectors" later in this chapter)
❷	Power supply connector
❸	Netelligent 10/100 TX UTP PCI controller connector (RJ-45)

System I/O Board Connectors

Figure 4-2 depicts the system I/O board connectors for ProLiant 3000 Servers. Table 4-2 gives the corresponding connector descriptions.

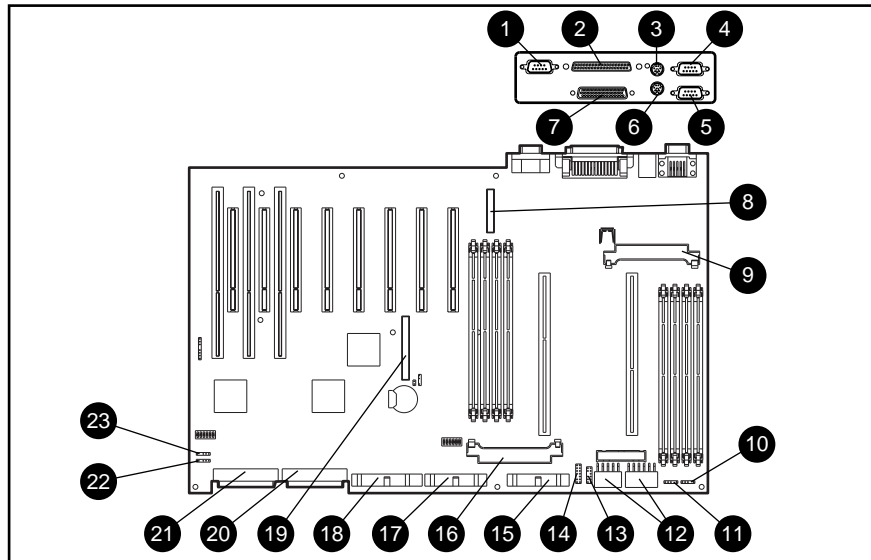


Figure 4-2. System I/O board connectors

Table 4-2
ProLiant 3000 Servers
System I/O Board Connectors

Reference	Connector	Reference	Connector
❶	Video	❸	Power Switch
❷	External SCSI	❹	Power Supply
❸	Mouse	❺	Integrated Management Display (IMD)
❹	Serial Port B	❻	Processor Power Module 2
❺	Serial Port A	❼	Diskette Drive
❻	Keyboard	❽	CD-ROM Drive
❼	Parallel/Printer Port	❾	I ₂ O
❽	Auxiliary Fan	❿	SCSI Port 2
❾	Processor Power Module 1	⓫	SCSI Port 1
❿	CPU Redundant Fan	⓬	I/O Fan
⓫	CPU Fan	⓭	I/O Redundant Fan
⓬	Power		

Switches

This section contains information concerning all switches located on the ProLiant 3000 Servers.

Configuration Switch Settings

Figure 4-3 depicts the system I/O board switch location and default setting for ProLiant 3000 Servers. Table 4-3 gives the system I/O board configuration switch settings.

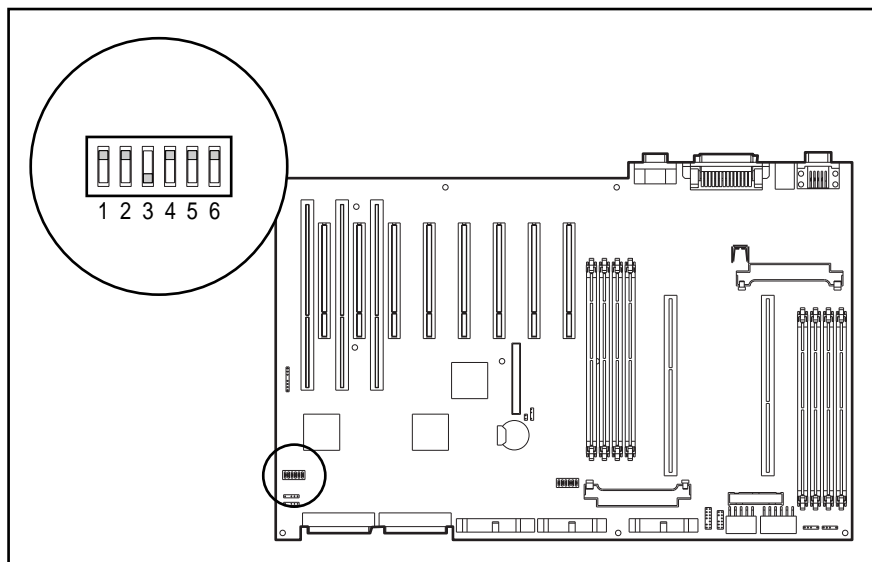


Figure 4-3. System I/O board configuration switch location and default setting

Table 4-3
ProLiant 3000 Servers
System I/O Board Configuration Switch Settings

Switch	Function	ON	OFF
1	Video	Integrated video is disabled.	<i>Default.</i> Integrated video is enabled.
2	Lock configuration	Configuration cannot be changed.	<i>Default.</i> Configuration can be changed.
3	Rack-to-Tower Conversion	Rack-mount configuration.	Tower configuration.
4	Diskette Boot Feature	Diskette is enabled for booting, regardless of configuration.	<i>Default.</i> Diskette boot can be disabled through System Configuration Utility.
5	Power-on Password	Power-on password is defeated.	<i>Default.</i> Power-on password is available.
6	Maintenance	NVRAM is invalidated; configuration is lost.	<i>Default.</i> NVRAM is validated; configuration is not lost.

Processor Switch Settings

Figures 4-4, 4-5, 4-6, and 4-7 depict the location and default settings of the processor switch for ProLiant 3000 Servers. There is a different default setting for each processor switch including the 350 MHz, 400 MHz, 450 MHz, and 500 MHz processors.

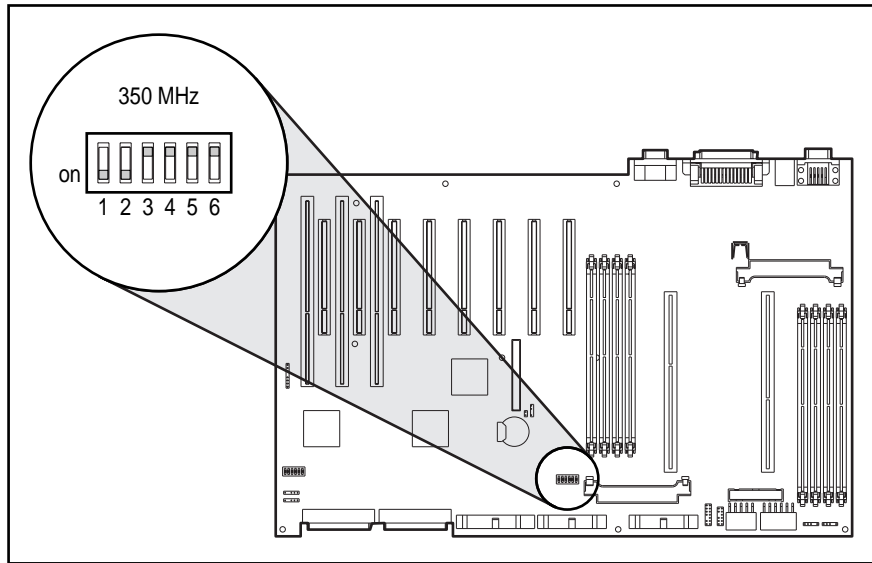


Figure 4-4. 350 MHz processor switch location and default setting

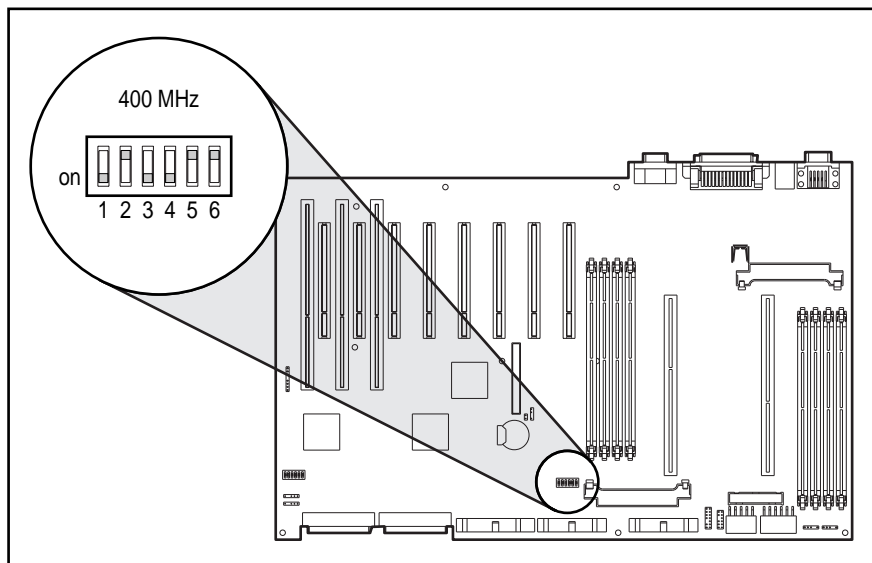


Figure 4-5. 400 MHz processor switch location and default setting

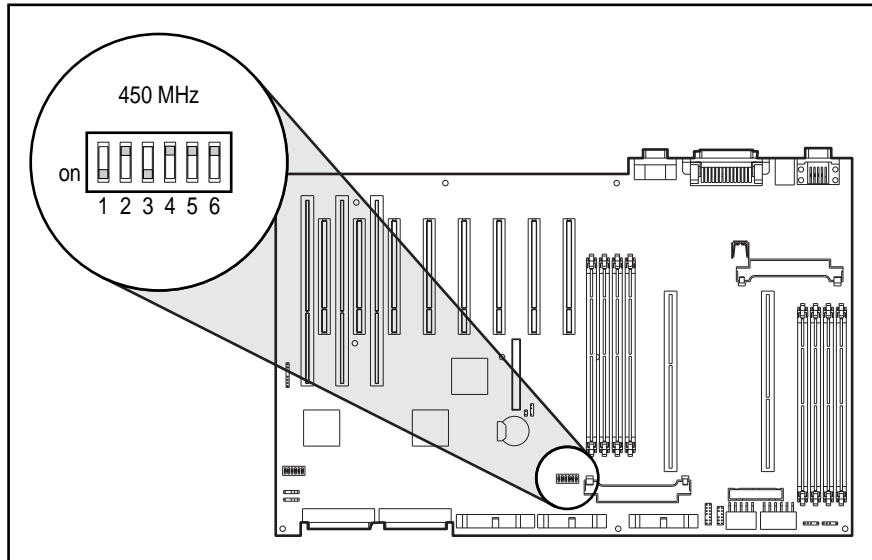


Figure 4-6. 450 MHz processor switch location and default settings

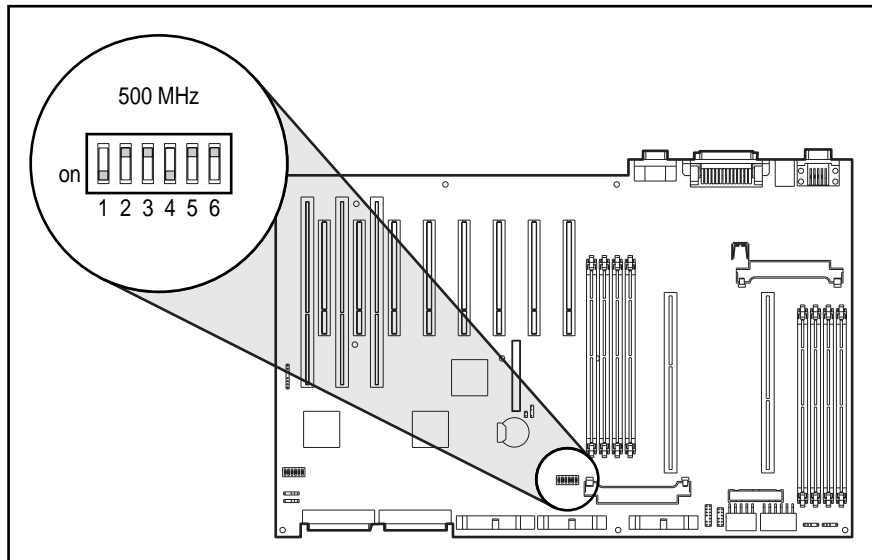


Figure 4-7. 500 MHz processor switch location and default setting

Table 4-4
ProLiant 3000 Servers
Processor Switch Settings

Processor Speed	SW1	SW2	SW3	SW4	SW5	SW6
350 MHz	ON	ON	OFF	OFF	OFF	OFF
400 MHz	ON	OFF	ON	ON	OFF	OFF
450 MHz	ON	OFF	ON	OFF	OFF	OFF
500 MHz	ON	OFF	OFF	ON	OFF	OFF

Jumpers

The external battery jumper for ProLiant 3000 Servers is located on the system I/O board. Figure 4-8 depicts the default jumper setting.

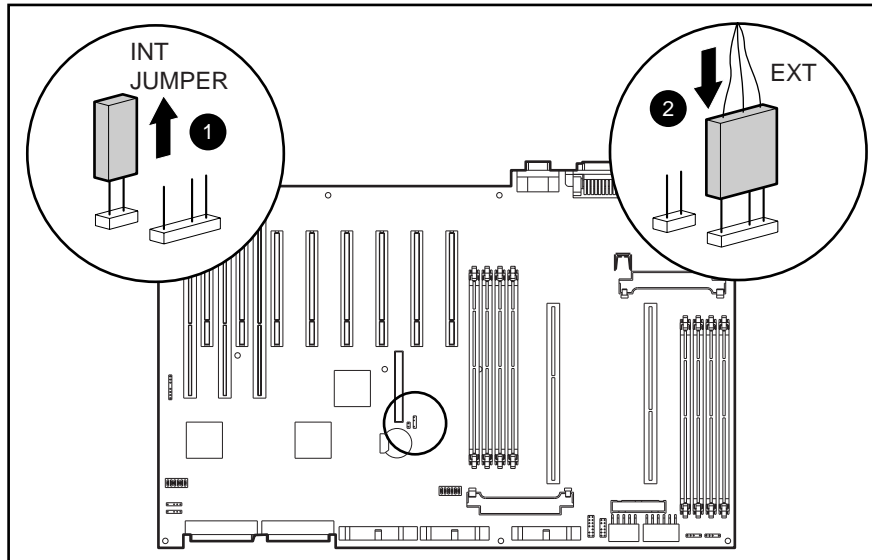


Figure 4-8. External battery jumper location and default setting

LEDs

This section contains information concerning all service LEDs located on the ProLiant 3000 Servers.

Hot-Plug Power Supply LEDs

Each power supply has a status and an AC power LED. Figure 4-8 depicts the power supply LEDs for ProLiant 3000 Servers. Table 4-9 gives the corresponding power supply LED functions.

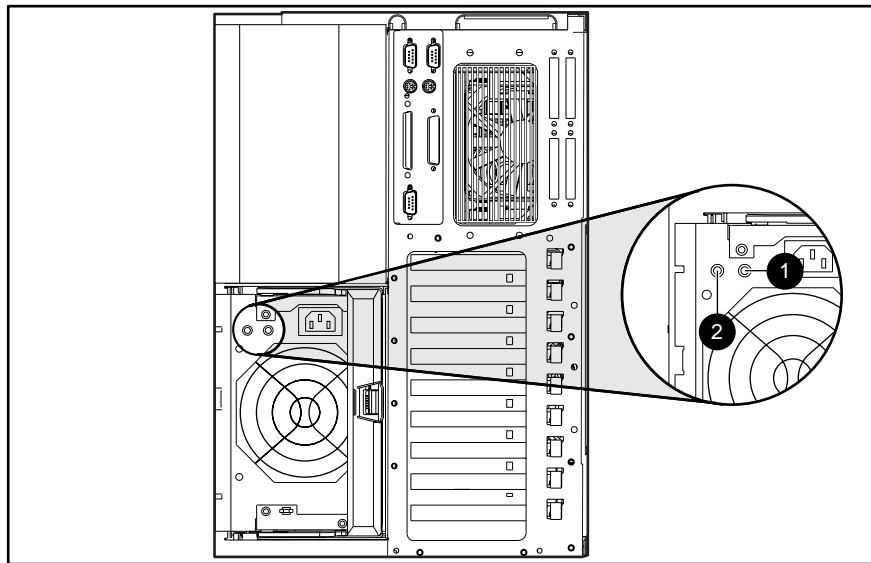




Figure 4-9. Power supply LEDs

Table 4-5
ProLiant 3000 Servers
Power Supply LEDs

❶		Status	Amber	Fault detected in this power supply Failed self-test
			Amber flashing	Power supply failed to restart after a prolonged fault Power supply will restart within 20 seconds No fault detected in this power supply
			Green/Amber alternating	Interlock open
			Green flashing	No AC power connected
			OFF	DC power not switched on
❷		AC Power	Green	AC power is connected
			OFF	No AC power connected

Power Switch LED

The power switch LED is located on the front of the server beneath the power switch. The LED will illuminate when the power is on. Figure 4-10 depicts the location of the power switch LED for ProLiant 3000 Servers.

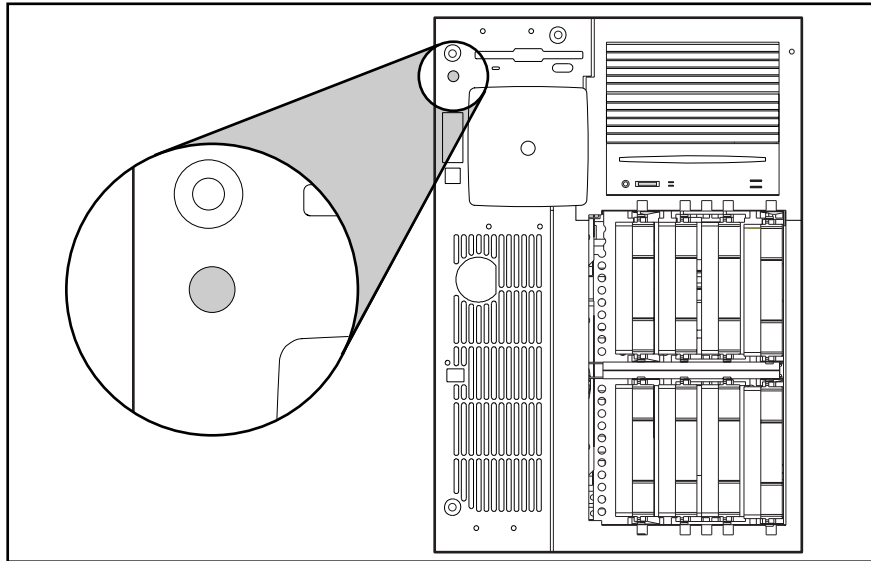


Figure 4-10. Power switch LED

CD-ROM Drive LED

The CD-ROM LED is located on the front of the CD-ROM drive near the volume wheel. The LED will illuminate green when the CD-ROM drive is in operation. Figure 4-11 depicts the CD-ROM LEDs for ProLiant 3000 Servers.

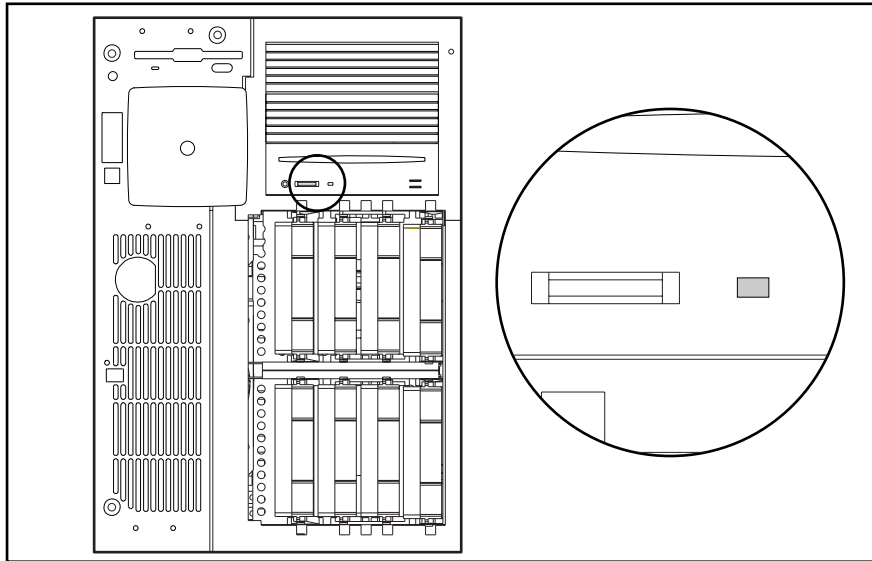


Figure 4-11. CD-ROM Drive LEDs

Diskette Drive

The diskette drive LED is located on the front of the diskette drive near the bottom left of the diskette drive slot. The LED will illuminate green when the diskette is in operation. Figure 4-12 depicts the diskette drive LED on ProLiant 3000 Servers.

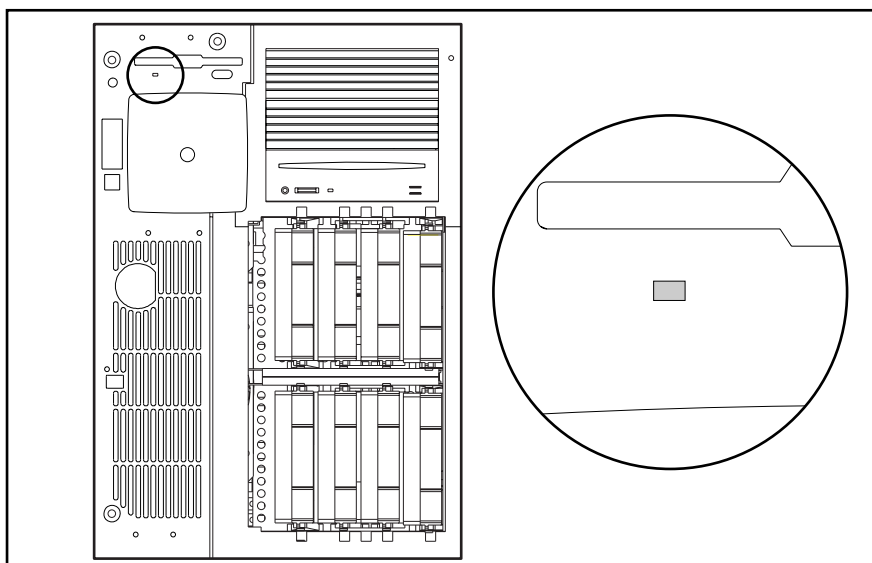


Figure 4-12. Diskette Drive LED

Hot-Plug Hard Drive LEDs

Each hot-plug hard drive displays LEDs showing the operational status of the hard drive. Figure 4-13 and Figure 4-14 depict the hot-plug hard drive LED locations, functions, and replacement conditions for ProLiant 3000 Servers.



CAUTION: Replace a hard drive only when the drive LED is amber. Do not remove a hot-plug drive if the online LED is green.

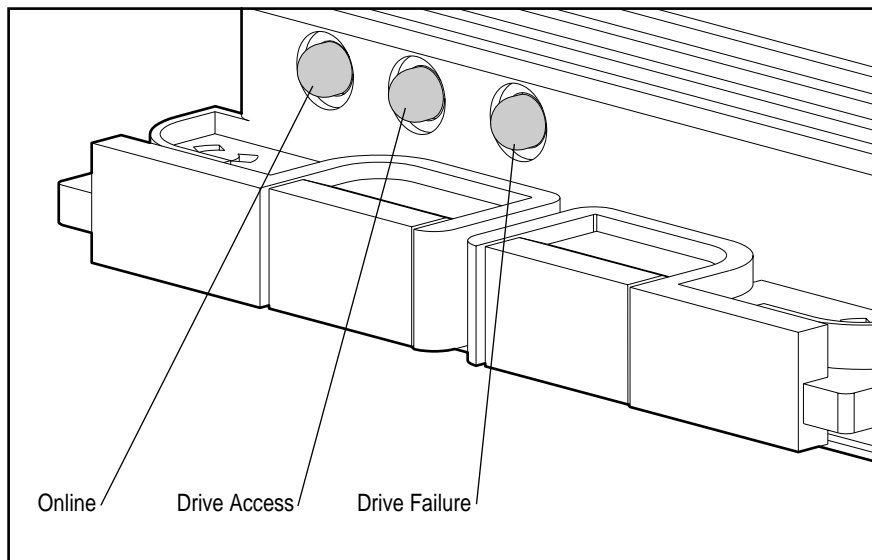


Figure 4-13. Hot-Plug hard drive LEDs

			OK to remove drive if not part of fault-tolerant configuration.	
			OK to remove failed drive.	
			DO NOT remove drive.	
			DO NOT remove drive.	
			DO NOT remove drive.	
			DO NOT remove drive.	
			DO NOT remove drive.	
			DO NOT remove drive.	
			DO NOT remove drive.	

Figure 4-14. Hot-plug hard drive replacement conditions