



APPENDIX **C**

Chassis and Module LEDs

This appendix lists the Cisco Nexus 7000 Series system LEDs and describes the conditions they indicate for the chassis and each type of module installed in the chassis.

[Table C-1](#) describes the system LEDs that are located on the chassis.

Table C-1 **System LEDs**

| LED | Color | Condition |
|-----|-------|--|
| PSU | Green | Power supply units are all operational. |
| | Amber | One of the following problems has occurred: <ul style="list-style-type: none">• Any power supply unit LED is red.• Any power supply unit is down. |
| FAN | Green | Fan tray modules are all operational. |
| | Amber | At least one fan tray module has a red STATUS LED. |
| SUP | Green | Supervisor modules are all operational. |
| | Amber | At least one supervisor module has a red STATUS LED. |
| FAB | Green | Fabric modules are all operational. |
| | Amber | At least one fabric module has a red STATUS LED. |
| IOM | Green | I/O modules are all operational. |
| | Amber | At least one I/O module has a red STATUS LED. |

Send document comments to nexus7k-docfeedback@cisco.com

Table C-2 describes the supervisor module LEDs.

Table C-2 Supervisor Module LEDs

| LED | Status | Description |
|----------|----------------|--|
| STATUS | Green | All diagnostics pass. The module is operational (normal initialization sequence). |
| | Red | The module has detected a slot ID parity error and will not power on or boot up. or The module is not fully inserted and does not have a reliable connection to the midplane. or The diagnostic test has failed. |
| | Blinking red | The inlet air temperature of the system has exceeded the safe operating temperature limits of the card (a major environmental warning). The card has been shut down to prevent permanent damage. The system will be shut down after two minutes if this condition is not cleared. or The module is resetting, and both ejector levers are out. |
| | Off | The module is not receiving power. |
| ID | Blinking blue | The operator has activated this LED to identify this module in the chassis. |
| | Off | This module is not being identified. |
| SYSTEM | Green | All chassis environmental monitors are reporting okay. |
| | Amber | At least one power supply has failed or the power supply fan has failed. |
| | Red | The temperature of the supervisor engine major threshold has been exceeded. |
| | Off | The slot has detected a slot ID parity error. |
| ACTIVE | Green | The supervisor module is operational and active. |
| | Amber | The supervisor module is in standby mode. |
| PWR MGMT | Green | Sufficient power is available for all of the installed modules. |
| | Amber | Insufficient power is available for all of the installed modules. |
| MGMT ETH | Green | The management port is operational. |
| | Amber | The management port link has been disabled through the software. |
| | Flashing Amber | The management port link is bad and has been disabled due to a hardware failure. |
| | Off | The module has not detected a signal. |
| LINK | Green | The module has detected a link. |
| | Off | The module does not detect a link. |

Send document comments to nexus7k-docfeedback@cisco.com

Table C-2 Supervisor Module LEDs (continued)

| LED | Status | Description |
|---------------------|----------------|--|
| ACT | Flashing green | The module is transmitting or receiving. |
| | Off | The module is not transmitting or receiving. |
| ACT LOG FLASH | Green | The log flash CompactFlash is being accessed. Do not remove the Compact Flash until the LED is off. |
| | Off | The expansion flash CompactFlash is not being accessed. You can remove the CompactFlash while this LED is off. |
| ACT EXPANSION FLASH | Green | The expansion flash CompactFlash is being accessed. Do not remove the Compact Flash until the LED is off. |
| | Off | The log flash CompactFlash is not being accessed. You can remove the CompactFlash while this LED is off. |
| CMP MGMT ETH | Green | The management port is operational. |
| | Amber | The management port link has been disabled through the software. |
| | Flashing amber | The management port link is bad and has been disabled due to a hardware failure. |
| | Off | The module does not detect a signal. |
| CMP STATUS | Green | All diagnostics pass. The CMP is operational (normal initialization sequence). |
| | Amber | Sufficient power is not available for all modules. |
| | Flashing amber | The diagnostic test has failed. or The CMP is not operational because a fault has occurred during the initialization sequence. |
| | Red | The module has detected a slot ID parity error. |
| | Off | The CMP is not receiving power. |
| LINK | Green | The module has detected a link. |
| | Off | The module has not detected a link. |
| ACT | Flashing green | The module is transmitting or receiving. |
| | Off | The module is not transmitting or receiving. |

Table C-3 describes the I/O module LEDs.

Table C-3 I/O Module LEDs

| LED | Status | Description |
|-----|---------------|---|
| ID | Blinking blue | The operator has activated this LED to identify this module in the chassis. |
| | Off | This module is not being identified. |

[Send document comments to nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)

Table C-3 I/O Module LEDs (continued)

| LED | Status | Description |
|----------------------|-----------------|---|
| Status | Green | All diagnostics pass. The module is operational (normal initialization sequence). |
| | Red | The module has detected a slot ID parity error and will not power on or boot up. or The module is not fully inserted, and it is not making a reliable connection with the supervisor. or The module has failed diagnostic tests and has powered down. |
| | Blinking red | The switch has just been powered on, and the module is resetting. or The module is resetting and both ejector levers are out. or The module has been inserted during the initialization process. or The module could not power up because of insufficient power. or An overtemperature condition has occurred. A major temperature threshold has been exceeded during environmental monitoring. |
| | Off | The module is not receiving power. |
| Link (for each port) | Green | The port is active (the link is connected and active). |
| | Orange | The port is disabled by the operator or is not initializing. |
| | Blinking orange | The port is faulty and disabled. |
| | Off | The port is not active or the link is not connected. |

[Send document comments to nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)

Table C-4 describes the fabric module LEDs.

Table C-4 Fabric Module LEDs

| LED | Status | Description |
|--------|---------------|--|
| Status | Green | All diagnostics pass. The module is operational (normal initialization sequence). |
| | Red | The diagnostic test has failed. The module is not operational because a fault has occurred during the initialization sequence. or The inlet air temperature of the system has exceeded the safe operating temperature limits of the card (a major environmental warning). The card has been shut down to prevent permanent damage. |
| | Blinking red | The fabric module has just been inserted and is booting up. or An overtemperature condition has occurred and the module has powered down. or The power was turned off with a CLI command. or The module is resetting and both ejector levers are out. |
| ID | Blinking blue | The operator has activated this LED to identify this module in the chassis. |
| | Off | This module is not being identified. |

Table C-5 describes the power supply unit LEDs.

Table C-5 Power Supply LEDs

| LED | Color | Condition |
|---------|---------------|---|
| Input 1 | Green | The AC input voltage is within the valid range. |
| | Off | The AC input voltage is outside the valid range. |
| Input 2 | Green | The AC input voltage is within the valid range. |
| | Off | The AC input voltage is outside the valid range. |
| Output | Green | The DC output power is within the valid range. |
| | Off | The DC output power is outside the valid range. |
| Fault | Off | The DC output voltage and power supply unit tests are okay. |
| | Flashing red | Self-diagnostic tests have failed or another power supply failure has occurred. |
| ID | Blinking blue | The operator has activated this LED to identify this module in the chassis. |
| | Off | This module is not being identified. |

Send document comments to nexus7k-docfeedback@cisco.com

Table C-6 describes the fan tray LEDs.

Table C-6 Fan Tray LEDs

| LED | LED Indication | Condition |
|------------|-----------------------|---|
| STATUS | Green | The fan tray is operational. |
| | Flashing red | One or more fans is running below the threshold speed. The fan tray is receiving insufficient power. |
| | Off | No power is going to the fan tray. |
| ID | Blinking blue | The operator has activated this LED to identify this module in the chassis. |
| | Off | This module is not being identified. |