APPENDIX D

LEDs

This appendix describes the conditions indicated by the chassis and module LEDs on the Cisco Nexus 5000 Series switches.

This appendix includes the following sections:

- Chassis and Module LEDs for the Cisco Nexus 5000 Series Switches, page D-1
- Port LEDs, page D-4

Chassis and Module LEDs for the Cisco Nexus 5000 Series Switches

This section includes the following topics:

- Chassis and Module LED Descriptions, page D-2
- Conditions Indicated by the Power Supply LEDs, page D-3

Chassis and Module LED Descriptions

Table D-1 describes the chassis LEDs for the Cisco Nexus 5000 Series switches.

Table D-1 LEDs for the Cisco Nexus 5500 Platform Switches

Component	LED	Status	Description
Chassis (front and back)	ID (Cisco Nexus 5500 Platform only)	On (blue)	Identifies the chassis receiving the beacon signal.
	Status	Solid on (green)	All diagnostics pass. The module is operational.
		Off	The module is not receiving power.
		On (amber)	The module is booting or running diagnostics. An overtemperature condition has occurred. The temperature threshold has been exceeded by a small value during environmental monitoring.
		Blinking (amber)	An overtemperature condition has occurred. The temperature threshold has been exceeded by a large value during environmental monitoring. If the module fails during initial reset, the LED continues to blink and the module does not come online. The module has a runtime failure and is brought offline.
Fan tray (front of chassis)	Status	Solid on (green)	All diagnostics pass. The module is operational.
		Off	The module is not receiving power.
		Solid on (amber)	The module is booting or running diagnostics.
		Blinking (amber)	If the module fails during initial reset, the LED continues to blink and the module does not come online. The module has runtime failure and is brought offline.
Power supply (front of chassis)	OK (green)	Solid on	Power supply is on and okay.
		Blinking	3.3 voltage standby (VSB) is on but the power supply unit is not powering the other modules.
		Off	No AC power to the power supply.
	FAULT (amber)	Solid on	Power supply failures, overvoltage, overcurrent, overtemperature.
		Blinking	AC is present, 3.3 VSB on, and the power supply is off.
		Off	Operating normally.

Table D-1 LEDs for the Cisco Nexus 5500 Platform Switches (continued)

Component	LED	Status	Description
Expansion module	Status	On (green)	All diagnostics pass. The module is operational.
		Off	The module is not receiving power.
		Solid on (amber)	The module is booting or running diagnostics. An overtemperature condition has occurred. The temperature threshold has been exceeded by a small value during environmental monitoring.
		Blinking (amber)	An overtemperature condition has occurred. The temperature threshold has been exceeded by a large value during environmental monitoring. If the module fails during initial reset, the LED continues to blink and the module does not come online. The module has runtime failure and is brought offline.
Port LED	Indicates LED status	Off	The port is not active or the link is not connected.
		Solid on (green)	The port is active. The link is connected and operational.
		Solid on (amber)	The module or port is disabled through the CLI command or the module is initializing.
		Blinking (amber)	The port is faulty and has been disabled.

Table D-2 table describes the status of the two power supply LEDs

Conditions Indicated by the Power Supply LEDs

You can determine the power supply conditions by combining the LED states of the OK and FAIL LEDs (see Table D-2).

Table D-2 Power Supply LED Descriptions

Power Supply Condition	OK LED (Green)	FAIL LED (Amber)
No AC or DC power to all power supplies.	Off	Off
Power supply failure, including over voltage, over current, over temperature, and fan failure.	Off	On
Power supply warning events where the power supply continues to operate. These events include high temperature, high power, and slow fan.	Off	Blinking

Table D-2 Power Supply LED Descriptions (continued)

Power Supply Condition	OK LED (Green)	FAIL LED (Amber)
AC present, 3.3 voltage standby (VSB) on, and the power supply unit is off. For a DC power supply, it indicates that DC power is present.	Blinking	Off
Power supply on and OK.	On	Off

Port LEDs

This section includes the following topics:

- Ethernet Port LEDs, page D-4
- Ethernet and Fibre Channel LEDs, page D-4
- Management Port LEDs, page D-5

Ethernet Port LEDs

Table D-3 lists the LED descriptions for the RJ-45 Ethernet port LEDs.

Table D-3 Ethernet Port LED Descriptions

LED	Status	Description
Left	Off	No link
	Solid green	Physical link
Right	Off	No activity
	Blinking green	Activity

Ethernet and Fibre Channel LEDs

There are 20 to 26 port activity LEDs on the switch depending on whether the GEM is a Fibre Channel or 10-Gigabit Ethernet module. Table D-4 describes the behavior of the port LEDs.

Table D-4 Port-Level LEDs

Link State	LED State	Notes
Link Down	OFF	—
POST failed on port	AMBER blinking yellow	—

Table D-4 Port-Level LEDs

Link State	LED State	Notes
Administrative disabled	AMBER_ON	Depending on the product you look at, the LED could be off, or solid amber
Link Up, port in STP forwarding state	GREEN_ON	Blinks based on network activity

Management Port LEDs

Table D-5 lists the LEDs for Management port.

Table D-5 Management Port LEDs

LED	Status	Description
Left	OFF	No link
	Solid Green	Physical Link
Right	OFF	No Activity
	Blinking Green	Activity

Note The green LED continuous to blink if the Management IP Address is not configured.