



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.

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Switch LEDs

[Table D-1](#) describes the switch LEDs that are located on the front of the chassis.

Table D-1 Switch 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.
	Red	Unknown
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.

Table D-1 Switch LEDs

LED	Color	Condition
IOM	Green	The modules in the I/O slots are all operational.
	Amber	At least one module in the I/O slots has a red STATUS LED.

Supervisor Module LEDs

Table D-2 describes the supervisor module LEDs.

Table D-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.
		The module is not fully inserted and does not have a reliable connection to the midplane.
		The diagnostic test has failed.
Flashing red	The inlet air temperature of the system has exceeded the safe operating temperature limits of the module (a major environmental warning). The module has been shut down to prevent permanent damage. The system will be shut down after two minutes if this condition is not cleared.	
	The module is resetting, and both ejector levers are out.	
Off	The module is not receiving power.	
ID	Flashing 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.


Table D-2 Supervisor Module LEDs (continued)

LED	Status	Description
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.
ACT	Flashing green	The module is transmitting or receiving.
	Off	The module is not transmitting or receiving.
ACT LOG FLASH (Supervisor 1)	Green	The log flash CompactFlash or USB disk is being accessed. Do not remove the media until the LED is off.
LOG FLASH (Supervisor 2 and 2E)	Off	The expansion flash CompactFlash or USB disk is not being accessed. You can remove the media while this LED is off.
ACT EXPANSION FLASH (Supervisor 1)	Green	The expansion flash CompactFlash or USB disk is being accessed. Do not remove the media until the LED is off.
Slot 0 (Supervisor 2 and 2E)	Off	The log flash CompactFlash or USB disk is not being accessed. You can remove the media while this LED is off.
CMP MGMT ETH (Supervisor 1 module only)	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 (Supervisor 1 module only)	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 (Supervisor 1 module only)	Green	The module has detected a link.
	Off	The module has not detected a link.
ACT (Supervisor 1 module only)	Flashing green	The module is transmitting or receiving.
	Off	The module is not transmitting or receiving.

I/O Module LEDs

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

Table D-3 I/O Module LEDs

LED	Status	Description
ID	Flashing blue	The operator has activated this LED to identify this module in the chassis.
	Off	This module is not being identified.
Status	Green	All diagnostics pass. The module is operational (normal initialization sequence).
	Red	<p>The module has detected a slot ID parity error and will not power on or boot up.</p> <p>or</p> <p>The module is not fully inserted, and it is not making a reliable connection with the supervisor.</p> <p>or</p> <p>The module has failed diagnostic tests and has powered down.</p>
		 <p>Note While reloading an F3-Series or M3-Series I/O module, the status LED is Amber until the testing phase is complete. While reloading an F2e-Series or an M2-Series I/O module, the status LED blinks RED until the testing phase is complete.</p>
	Flashing red	<p>The switch has just been powered on, and the module is resetting.</p> <p>or</p> <p>The module is resetting and both ejector levers are out.</p> <p>or</p> <p>The module has been inserted during the initialization process.</p> <p>or</p> <p>The module could not power up because of insufficient power.</p> <p>or</p> <p>An overtemperature condition has occurred. A major temperature threshold has been exceeded during environmental monitoring.</p>
	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.
	Flashing orange	The port is faulty and disabled.
	Off	The port is not active or the link is not connected.

NAM-NX1 Module LEDs

Table D-4 describes the LEDs on the NAM-NX1.

Table D-4 NAM-NX1 LEDs

LED	Color	Condition
STATUS	Green	The NAM is operational.
	Orange	Indicates one of the following conditions: <ul style="list-style-type: none"> • The module is booting up and running diagnostic tests. • The module is disabled and not in service. • The module is shutting down or coming up.
	Red	Indicates one of the following conditions: <ul style="list-style-type: none"> • The module is booting up and running diagnostic tests. • The module is disabled and not in service. The module is shutting down or coming up.
	Off	The module is powered off.
ID	Blue	Identifies the module.
	Off	The module is not being identified.
Sync Link Status	Green	The port is active (link is connected).
	Off	The port is not active (link is not connected)
SAS Link Status LED	Green	The port is active (link is connected).
	Orange	The port is disabled by the operator or is not initializing.
	Flashing orange	The port is faulty and disabled.
	Off	The port is not active or the link is not connected.

Fabric Module LEDs

Table D-5 describes the fabric module LEDs.

Table D-5 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.
	Flashing 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	Flashing blue	The operator has activated this LED to identify this module in the chassis.
	Off	This module is not being identified.

Power Supply LEDs

Table D-6 describes the power supply unit LEDs. The Output, Fault, and ID LEDs have the same function for the AC, DC and HVAC/HVDC power supply units.

Table D-6 Power Supply LEDs

LED	Color	Condition
Input 1	Green	The AC, HVAC/HVDC or DC input voltage is within the valid range.
	Off	The AC, HVAC/HVDC or DC input voltage is outside the valid range.
Input 2 (available only on DC power supply units)	Green	The DC input voltage is within the valid range.
	Off	The DC input voltage is outside the valid range.
Output	Green	The AC or DC output power is within the valid range.

Table D-6 Power Supply LEDs (continued)

LED	Color	Condition
	Off	The AC or DC output power is outside the valid range.
Fault	Off	The AC or 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	Flashing blue	The operator has activated this LED to identify this module in the chassis.
	Off	This module is not being identified.

Fan Tray LEDs

Table D-7 describes the fan tray LEDs.

Table D-7 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	Flashing blue	The operator has activated this LED to identify this module in the chassis.
	Off	This module is not being identified.

