LEDs

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Chassis LEDs

The chassis LEDs are located at the top of the front of the chassis. They indicate whether each type of module (supervisors, controllers, I/O modules, fabric modules, fan trays, and power supplies) are fully functional or have a fault condition. The following table describes what each of these LEDs can indicate.

Table 1: Chassis LED Descriptions

LED	Color	Status
BCN	Flashing blue	The operator has activated this LED to identify this chassis.
	Off	This chassis is not being identified.
SUP	Green	Supervisor modules are all operational.
	Amber	Check the Supervisor Module LEDs for more information.
FAB	Green	Fabric modules are all operational.
	Amber	Check the FAB LED description in the Fan Tray LEDs for more information.

LED	Color	Status
IOM	Green	I/O modules are all operational.
	Amber	Check the I/O Module LEDs for more information.
PSU	Green	Power supplies are all operational.
	Amber	Check the Power Supply LEDs for more information.
FAN	Green	Fan trays are all operational.
	Amber	Check the Fan Tray LEDs for more information.
PWR MGMT	Green	Sufficient power is available for all of the installed modules.
	Amber	Either of the following: • Insufficient power for at least one of the installed modules. • The configured power redundancy mode differs from the operational power redundancy.

System Controller LEDs

The system controller module LEDs are located on the left side of the module. The following table describes the possible states for each of these LEDs.

Table 2: System Controller LED Descriptions

LED	Color	Status
BCN	Flashing blue	The operator has activated this LED to identify this module in the chassis.
	Off	This module is not being identified.
STS	Green	This module is operational.
	Flashing amber	This module is booting up.
	Flashing red	Temperature exceeds major alarm threshold.
	Off	The module is not receiving power.

LED	Color	Status
ACT	Green	The controller module is operational and in active mode.
	Amber	The controller module is operational and in standby mode.

Supervisor Module LEDs

The Beacon (BCN), Status (STS), and Active (ACT) LEDs are located on the lower left front of the supervisor module. The management port link and active LEDs are located immediately above the port on the front of the module. The following table describes the possible states for each of these LEDs.

Table 3: Supervisor Module LED Descriptions

LED	Color	Status
BCN	Flashing blue	The operator has activated this LED to identify this module in the chassis.
	Off	This module is not being identified.
STS	Green	This module is operational.
	Flashing amber	This module is booting up.
	Flashing red	Temperature exceeds major alarm threshold.
	Off	The module is not receiving power.
ACT	Green	This module is operational and in active mode.
	Amber	This module is operational and in standby mode.
(management port LINK)	Green	The management port is linked up.
	Off	The management port is not linked up.
(management port ACT)	Green	The management port is linked up.
	Off	The management port is not linked up.

Fan Tray LEDs

The fan tray LEDs are located on the lower right portion of the module. The following table describes the possible states indicated by this module.

Table 4: Fan Tray LED Descriptions

LED	Color	Status
BCN	Blue	The operator has activated this LED to identify this module in the chassis.
	Off	This module is not being identified.
FAN	Green	The fan tray is operational.
	Red	One or more fans in this fan tray has failed.
	Off	No power is going to the fan tray.
FAB	Green	Both fabric modules behind this fan tray are operational.
	Amber	At least one fabric module behind this fan tray is not operating.
	Off	No power is going to the fabric module behind this fan tray.

Fabric Module LEDs

The fabric modules are located behind the fan trays.

Table 5: Fabric Module LED Descriptions

LED	Color	Status
(top LED)	Blue	The operator has activated this LED to identify this module in the chassis.
	Off	This module is not being identified.
(bottom LED)	Green	The fabric module is operational.
	Flashing red	The fabric module has a fault.
	Flashing amber	The fabric module is booting up.
	Off	No power is going to the fabric module.

I/O Module LEDs

The Beacon (BCN) and Status (STS) LEDs are located on the front left of the module, and the Link LED for each port is located between the two rows of ports (each of these LEDs is a triangle pointing to the port above or below the LED).

Table 6: I/O Module LED Descriptions

LED	Color	Status
BCN	Flashing blue	The operator has activated this LED to identify this module in the chassis.
	Off	This LED is not being used.
STS	Green	All diagnostics passed. This module is operational (normal initialization sequence).
	Flashing red	Indicates one of the following: • The module has detected a slot ID parity error and will not power on or boot up. • The module is not fully inserted, and it is not making a reliable connection with the supervisor. • The module has failed diagnostic tests and has powered down. • An overtemperature condition has occurred. A major temperature threshold has been exceeded during environmental monitoring
	Flashing amber	Indicates one of the following: • The module is booting up or initializing. • The module is resetting and both ejector levers are out. • The module has been inserted during the initialization process. • The module could not power up because of insufficient power.
	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.

Power Supply LEDs

The power supply LEDs are located on the upper left front portion of the module. Combinations of states indicated by the OK and Fail LEDs indicate the status for the module as shown in the following table.

Table 7: Power Supply LED Descriptions

OK LED	Fail LED	Status
Green	Off	Power supply is on and outputting power to the switch.
Flashing green	Off	Power supply is connected to AC power source but not outputting power to the switch. The power supply might not be properly installed in the chassis.
Off	Off	Either all of the installed power supplies are not receiving power or an uninstalled power supply is not receiving power.
Off	Flashing amber	Power supply is operating but a warning condition has occurred—possibly one of the following conditions: • High temperature • High power • Slow power supply fan • Low voltage • Power supply is installed in the chassis but was disconnected from the power source
Off	Flashing amber (10 seconds) then amber	Power supply is installed without a connection to a power source.
Off	Amber	Power supply failure—possibly one of the following conditions: • Over voltage • Over current • Over temperature • Power supply fan failure