



LEDs

You can perform the following check on LEDs that assist you with the troubleshooting process:

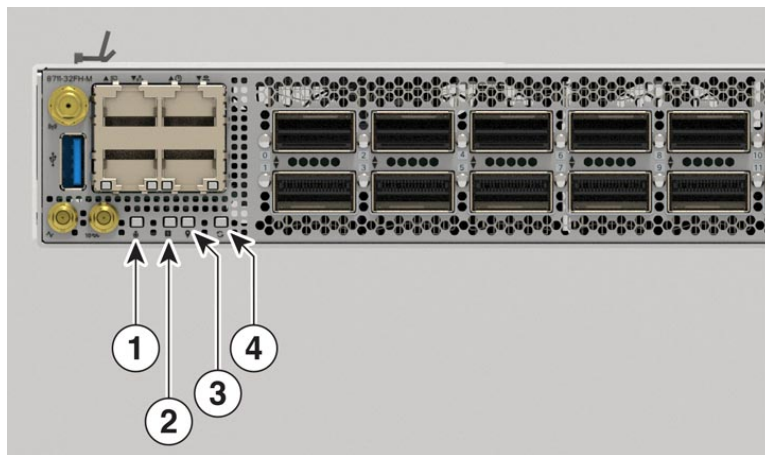
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LEDs for Cisco 8711-32FH-M Router

Chassis LEDs





Attention, Status, Synchronization, and GPS LEDs are located both at the far left of the front of the chassis and also on the back of the chassis:

Figure 1: Chassis LEDs - Front View of Cisco 8711-32FH-M



1	Attention
2	Status
3	GPS
4	Synchronization

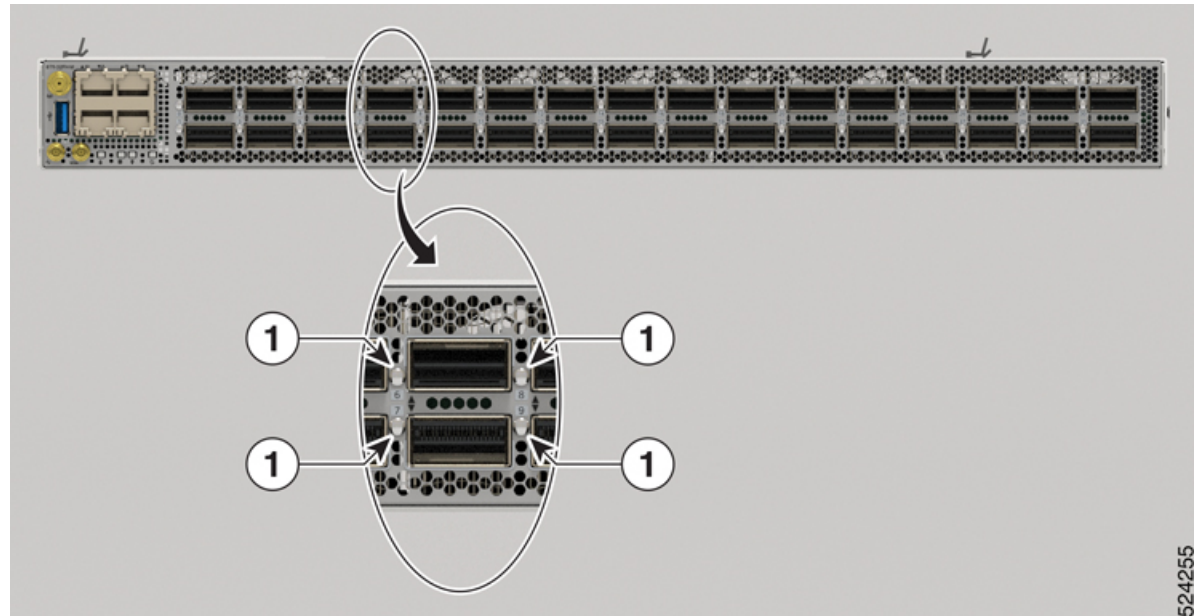
Table 1: Chassis LED Descriptions

LED	Color	Status
	Flashing blue	The operator has activated this LED to identify this chassis.
	Off	This chassis is not being identified.
	Green	The module is operational and has no active major or critical alarms.
	Flashing Green	The auto or manual FPD upgrade is in progress.
	Amber	The module is in one of the following states: <ul style="list-style-type: none"> • Power cycle • Reload or reimage • Shutdown
	Flashing Amber	The module has minor alarm.
	Red	Power-up failure which prevents the CPU from booting.
	Flashing Red	The module has active major or critical alarms.
	Off	The module is powered-off.
	Green	The GPS interface is provisioned and frequency, time of day and phase inputs are all operating correctly.
	Off	The GPS interface is not provisioned, or the GPS inputs are not working correctly.
	Green	Time core is synchronized to an external source including IEEE1588.
	Amber	The system is running in holdover or free-run mode and it is not synchronized to an external interface.
	Off	The centralized frequency or time and phase distribution is not enabled.

Port Status LEDs

Each port has an LED. The following table describes port status LEDs.

Figure 2: Port Status LED - Cisco 8711-32FH-M Chassis



1	400G Port Status LED
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Table 2: Port Status LEDs (one per port)

LED Color	Description
Off	Port is administratively shut down.
Amber	Port is administratively enabled and the link is down.
Green	Port is administratively enabled and the link is up.

Fan LED

Fan modules are located on the back of the chassis. Each fan module has a Status LED.

Figure 3: Fan LED - Cisco 8711-32FH-M Chassis

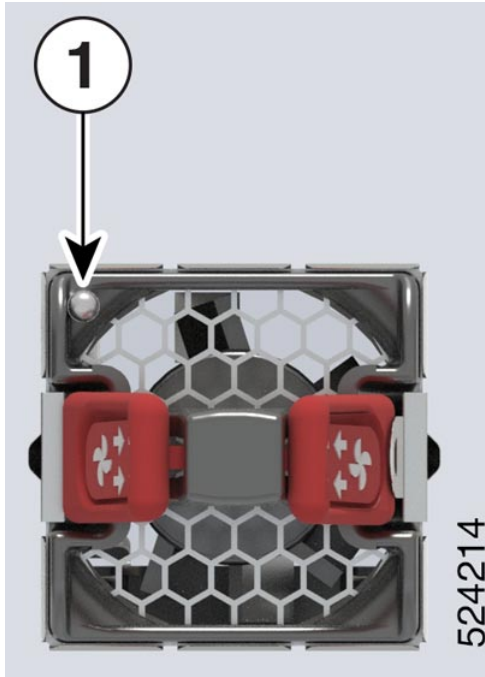
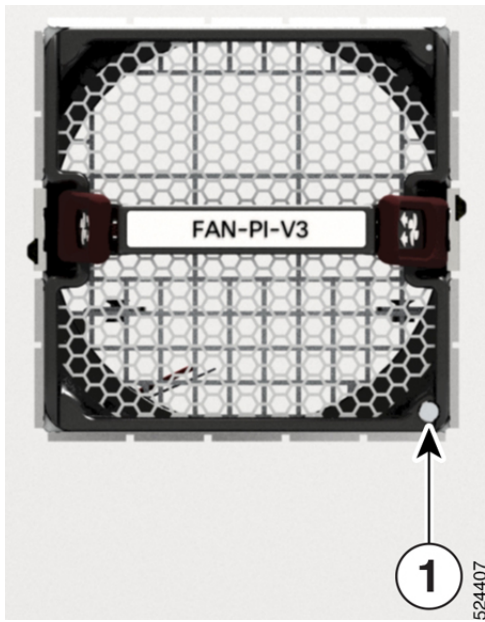


Figure 4: Fan LED - Cisco 8712-MOD-M Chassis



1	Fan Status LED
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Table 3: Fan LED Descriptions

LED	Color	Status
Status	Green	Fan is operating normally.
	Amber	Fan is inserted and pending to come online.
	Flashing Amber	The module is in one of these states: <ul style="list-style-type: none"> • Fan speed (RPM) is outside normal range. • The module has a minor, major, or critical alarm.
	Flashing Blue	The module is identified or activated.
	Off	Fan is not receiving power.

Power Supply LEDs

Power modules are located on the back side of the chassis. Each power module has a Status LED.

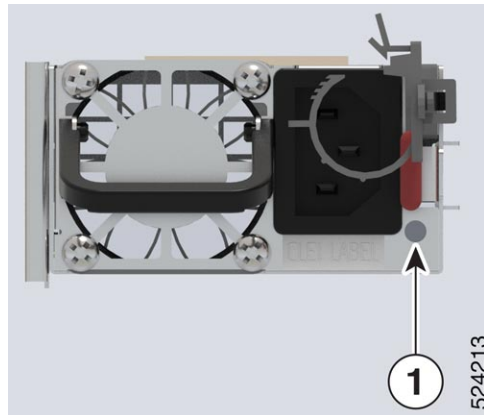
Figure 5: Cisco 8711-32FH-M Power Supply LED

Figure 6: Cisco 8712-MOD-M DC Power Supply LED

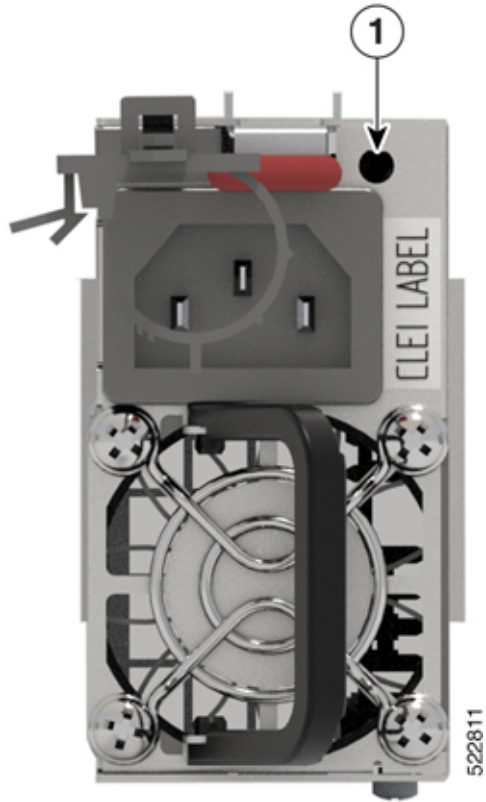


Figure 7: Cisco 8712-MOD-M AC Power Supply LED



1	Status LED
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Table 4: Power Supply LED Descriptions

LED	Color	Status
Status	Green	Power supply is on and transmitting power to the router.
	Flashing Green (2 Hz)	Power supply is connected to input power source but not transmitting power to the router.
	Flashing Green (4 Hz)	Power Supply Unit firmware upgrade in-progress.
	Amber	Power supply failure, due to one of these conditions: <ul style="list-style-type: none"> • Over voltage • Over current • Over temperature • Fan failure
	Flashing Amber (1 Hz)	Power supply is operating but a warning condition has occurred, due to one of these conditions: <ul style="list-style-type: none"> • High temperature • High power • Slow fan
	Off	Power supply units are not receiving power.