LEDs

Fan Tray LEDs

Table 1: Fan Tray LEDs

LED Type	LED Position or Color	Meaning
S STATUS	Off	Fan tray is not getting any power.
	Green	All fans are running and the fan tray is operating normally.
	Amber	One fan is not running.
	Red	Two or more fans are not running.
LOCATE	Blue	Identifies the fan tray receiving the beacon signal. The fan tray assembly has two blue beacon LEDs, one on the front panel and one on the rear. The two will always match each other. The blue beacon LED on the front panel is also a switch that you can press, to turn the front and rear blue beacons on or off. Alternatively, you can turn the blue beacons on or off through software.

Power Supply Modules LEDs

Table 2: Power Supply Module LEDs

LED Position or Colour	Meaning
Solid Green	Indicates that the power supply module is switched on with outputs 12V main and 12Vstandby available and in regulation.
Solid Amber	Indicates one of the following: • No output power available • AC/DC input is below the operating range • No 12V standby from a parallel unit is available • Over voltage/over current/over temperature conditions • Over-temperature protection (OTP) due to fan failure
1Hz Blinking Amber	Indicates warning events such as a power supply module that continues to operate in high temperature or high power and a fan that runs slow and so on.
2Hz Blinking Green	Indicates that power switch is turned off with AC/DC input power available or that the power supply is in standby mode.
1Hz Blinking Green	Indicates bootloading mode.
Off	Indicates one of the following: • No input or output power available • AC/DC input is below the operating range • No 12V standby from a parallel unit

Supervisor Module LEDs

Table 3: LEDs and the Status

LED type	LED Position or Colour	Meaning
S STATUS	Green	Indicates that all diagnostic tests have passed after image booting.
	Amber	Indicates a major environmental warning.
	Red	Indicates a fault in the module due to parity error or failed diagnostic tests or hardware failure.
	Off	Indicates that the supervisor module is disabled or is not powered up.
BLUE BEACON	Solid blue	Identifies the supervisor module receiving the beacon signal.
SYSTEM	Green	Indicates that the environmental monitors are normal.
	Amber	Indicates a minor fault such as partial power supply or fan failure.
	Red	Indicates a major fault. For example, situations where the temperature of the supervisor module exceeds the critical threshold.
ACTIVE	Green	Indicates that the supervisor module is operational and is functioning as the active supervisor (in redundant supervisor module configurations).
	Amber	Indicates one of the following: • ROMMON mode • Supervisor module is functioning as the standby supervisor (in redundant supervisor module configurations)
	Blinking Amber	Indicates Graceful Insertion and Removal (GIR) of the module.

Line Card LEDs

Table 4: Line Card LEDs

LED Type	LED Position or Colour	Meaning
Blue Beacon	Blue	Indicates that the module requires attention. Provisioned by the administrator of the system.
	Off	Indicates that the module does not need any attention.
	Slow Blinking Blue	Indicates that the module requires attention. Configured by the user The LED blinks at a rate of 1.2 seconds.
	Fast Blinking Blue	Indicates that the module requires attention. The LED blinks at a rate of 0.6 seconds.
	From Cisco IOS XE Cupertino 17.9.x, the blue beacon LED on C9600X-LC-32CD and C9600-LC-40YL4CD can be configured to blink at slow, fast or steady (no blink) rates, which can be used to identify devices that need to be serviced. For example, if you have to make changes to the three Field Replaceable Units (FRU) in the system, you can configure the FRUs to use the beacon LED at three different blinking rates. This helps you to identify the FRU that is undergoing a change. Also, you can configure the beacon LED to use across multiple chassis.	
Status LED	Off	Indicates that the module is disabled or is not powered up.
	Green	Indicates that all diagnostic tests have passed and the module is operational. **Note** From Cisco IOS XE Cupertino 17.9.x, the Status LED on C9600X-LC-32CD and C9600-LC-40YL4CD glows darker.
	Red	Indicates major environmental alarms, if the module is online.
	Amber	Indicates minor environmental alarms, if the module is online.

LED Type	LED Position or Colour	Meaning	
▲ ▼ Port LED	Green	Port link is up.	
	Amber	Port link is disabled, that is, administratively down.	
	Off	No signal is detected, the link is down, or the port is not connected.	
	Alternating Green and Amber	Indicates port beacon.	
	Blinking Amber	Indicates link faults such as excessive collision, CRC errors and Jabber errors.	
	Blinking green	Indicates traffic on the port.	
		Traffic Utilization	**Blinking Rate**
		Less than 5%	Nil
		Between 5% and 30%	At a rate of 1.2 seconds.
		Between 30% and 70%	At a rate of 0.4 seconds.
		More than 70%	At a rate of 0.2 seconds.