



## Understanding the LEDs

The switch consists of multiple LEDs to monitor switch activity and performance. You can also monitor the status of the fan tray assembly and the power supplies.

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## LED Indicators

### LEDs on Cisco Catalyst 9500X Series Switches

Cisco Catalyst 9500X Series Switches have LEDs on the front and the rear panel of the chassis. Following illustration helps you identify the various LEDs available on the front and the rear panel of the switch.

**Figure 1: LEDs on the Front Panel of C9500X-28C8D**

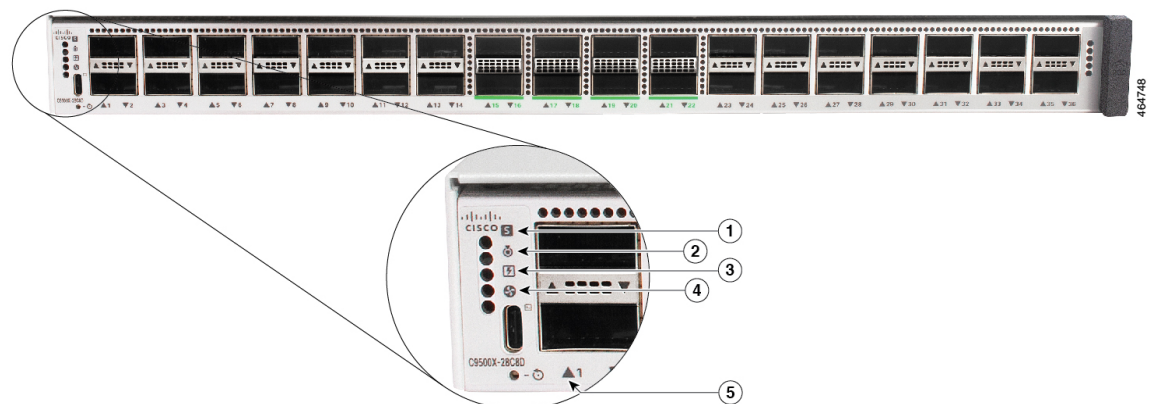
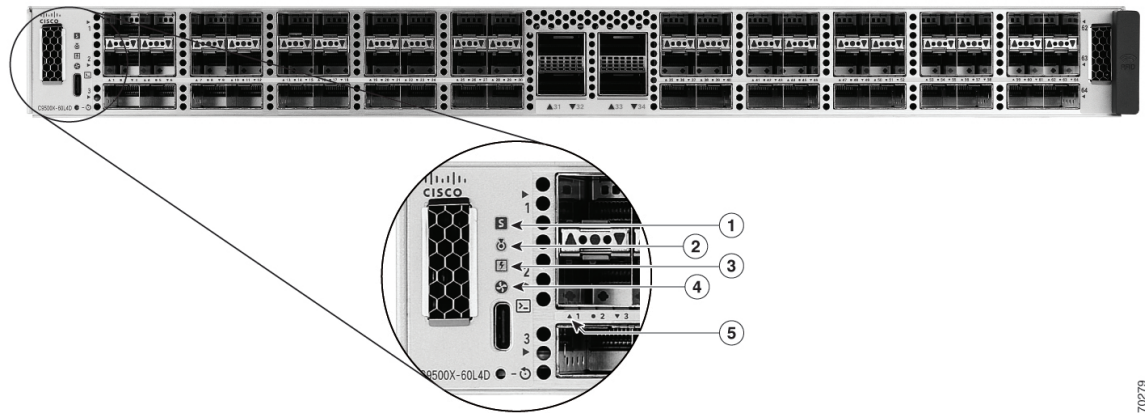


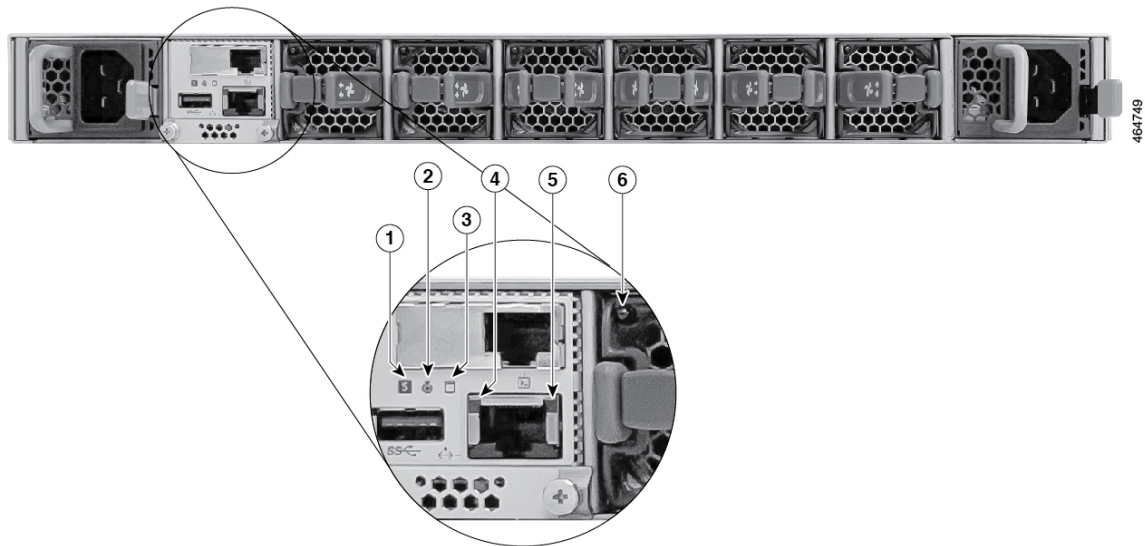
Figure 2: LEDs on the Front Panel of C9500X-60L4D



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1	System LED	4	Fan Module LED
2	Blue beacon LED	5	Port LEDs
3	Power Supply Unit (PSU) LED	-	-

Figure 3: LEDs on the Rear Panel



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1	System LED	4	Ethernet Management port link status LED
2	Blue beacon LED	5	Ethernet Management port link activity LED
3	SSD LED	6	Fan LED

## System LED

The system LED indicates the status of the system.

**Table 1: System LED Indicator**

Color/State	Description
Off	System is not operational.
Green	System is operating normally without alarms.
Amber	System has triggered a minor environmental alarm.
Red	System has triggered a major environmental alarm.

## Power Supply LEDs

**Table 2: Power Supply LED Indicators for Two PSUs**

Color/State	Description
Green	Power supply is operating normally. Both PSUs are in the bay with active power.
Amber	One of the PSU has input loss.
Red	One of the PSU has output failure.

If only one power supply module is installed in the switch and it is operating normally, the power supply LED turns green. If the single power supply unit fails, the switch is powered off.

## Port LEDs and Modes

The port LEDs display only the port status.

**Table 3: Meaning of Switch LED Colors for Port Status LED**

Port LED Color	Meaning
Off	Link is not up.
Green	Link present.
Alternating green-amber	Link fault. Error frames can affect connectivity, and errors such as excessive collisions, CRC errors, and alignment and jabber errors are monitored for a link-fault indication.

Port LED Color	Meaning
Amber	<ul style="list-style-type: none"> <li>• Port is blocked by Spanning Tree Protocol (STP) and is not forwarding data. After a port is reconfigured, the port LED can be amber for up to 30 seconds as STP checks the switch for possible loops.</li> <li>• Port link is disabled, that is, administratively down.</li> </ul>

## Beacon LED

The UID and the Beacon LED can be turned on by the administrator to indicate that the switch needs attention. It helps the administrator identify the switch. The beacon can be turned on by either pressing the UID button on the switch front panel, or by using the CLI. There is a blue beacon on the front and rear panel of the switch. The blue beacon on the front panel is a button labeled UID, and on the back panel it is a LED labeled BEACON.

Color/State	Description
Solid blue	The operator has indicated that the system needs attention.

## Fan LED

*Table 4: Fan LED Indicator*

Color/State	Description
Off	The fan is not receiving power; the fans have stopped.
Green	The fan is operating normally.
Amber	The fan has encountered a fault.

## Ethernet Management Port LED

The following table describes the colors and the descriptions of the LEDs for link activity and link status of the Ethernet management port.

*Table 5: Ethernet Management Port Link Activity LED*

Color	Description
Blinking green	Link is up.
Off	Link is down.

**Table 6: Ethernet Management Port Link Status LED**

<b>Color</b>	<b>Description</b>
Solid green	Link is up.
Off	Link is down.

