# LEDs

This appendix describes the conditions indicated by the chassis and module LEDs on the Cisco Nexus Fabric Extenders (FEXs).

This appendix includes the following sections:

# Chassis and Module LEDs for the Cisco Nexus Fabric Extenders

This section includes the following topics:

# Chassis and Module LED Descriptions

Table E-1 describes the chassis LEDs for the Cisco Nexus Fabric Extenders.

*Table E-1*        *LEDs for the Cisco Nexus Fabric Extenders*

| Component | LED | Status | Description |
|---|---|---|---|
| Chassis (port side exhaust and back) | ID | On (blue) | Identifies the chassis receiving the beacon signal. |
| | Status | Solid on (green) | All diagnostics pass. The module is operational. |
| | | Blinking (green) | The module is cold booting, or is operational but the network interface ports are not connected to a parent switch. |
| | | Off | The module is not receiving power. |
| | | On (amber) | The module is booting or running diagnostics. An overtemperature condition has occurred. The temperature threshold has been exceeded by a small value during environmental monitoring. |
| | | Blinking (amber) | An overtemperature condition has occurred. The temperature threshold has been exceeded by a large value during environmental monitoring. If the module fails during initial reset, the LED continues to blink and the module does not come online. The module has a runtime failure and is brought offline. |
| Fan and fan tray (port side exhaust of chassis) | Status | Solid on (green) | All diagnostics pass. The module is operational. |
| | | Off | The module is not receiving power. |
| | | Solid on (amber) | The module is booting or running diagnostics. |
| | | Blinking (amber) | If the module fails during initial reset, the LED continues to blink and the module does not come online. The module has a runtime failure and is brought offline. |

*Table E-1        LEDs for the Cisco Nexus Fabric Extenders (continued)*

| Component | LED | Status | Description |
|---|---|---|---|
| Power supply (port side exhaust of chassis) | OK (green) | Solid on | Power supply is on and okay. |
| | | Blinking | 12 voltage standby (VSB) is on but the power supply unit is not powering the other modules. |
| | | Off | No AC power to the power supply. |
| | FAULT (amber) | Solid on | Power supply failures, over-voltage, over-current, or over temperature has occurred. |
| | | Blinking | AC is present, 12 VSB on, and the power supply is off. |
| | | Off | Operating normally. |
| Port LED | Indicates LED status | Off | The port is not active or the link is not connected. |
| | | Solid on (green) | The port is active. The link is connected and operational. |
| | | Solid on (amber) | The module or port is disabled through the CLI command or the module is initializing. |
| | | Blinking (amber) | The port is faulty and has been disabled. |

For a description of the two power supply status, see the "Power Supply Status" section on page E-3.

# Power Supply Status

This section describes the power supply LED indicators for the Cisco Nexus Fabric Extenders. Table E-2 describes the status indicated by the Cisco Nexus 2332TQ, Cisco Nexus 2348TQ, Cisco Nexus 2348TQ-E, Cisco Nexus 2348UPQ, Cisco Nexus 2248TP-E, Cisco Nexus 2248TP, 2232PP, and 2224TP power supply LEDs. Table E-3 describes the status indicated by the Cisco Nexus 2148T power supply LEDs.

*Table E-2        Power Supply LED Indicators for the Cisco Nexus 2332TQ, 2348TQ-E/TQ, 2348UPQ, 2248TP-E/TP, 2232PP, and 2224TP*

| Condition | OK LED Status (Green) | FAIL LED Status (Amber) |
|---|---|---|
| No AC power to the power supplies | Off | Off |
| Power supply failure (includes overvoltage, overcurrent, overtemperature, and fan failure) | Off | On |
| Power supply warning events where the power supply continues to operate (high temperature, high power, and slow fan) | Off | 1 blinking |
| AC present /voltage standby (VSB) on, and power supply unit off | blinking | Off |
| Power supply On and OK | On | Off |

*Table E-3        Power Supply LED Indicators for the Cisco Nexus 2148T*

| Condition | INPUT OK LED Status (Green) | OUTPUT OK LED Status (Red) |
|---|---|---|
| No AC power to the power supplies | Off | Off |
| Power supply failure (includes overvoltage, overcurrent, overtemperature, and fan failure) | Off | On |
| Power supply warning events where the power supply continues to operate (high temperature, high power, and slow fan) | Off | Blinking |
| AC present and power supply unit off | Blinking | Off |
| Power supply On and OK | On | Off |

# Port LEDs

This section includes the following topics:

- Ethernet Port LEDs, page E-4
- Ethernet and Fibre Channel LEDs, page E-4

## Ethernet Port LEDs

Table E-4 lists the LED descriptions for the RJ-45 Ethernet port LEDs.

*Table E-4        Ethernet Port LED Descriptions*

| LED | Status | Description |
|---|---|---|
| Left | Off | No link |
| | Solid green | Physical link |
| Right | Off | No activity |
| | Solid green (blinking green on the Cisco Nexus 2348TQ-E) | Activity |

## Ethernet and Fibre Channel LEDs

There are 20 to 26 port activity LEDs on the FEX depending on whether the module is a Fibre Channel or 10-Gigabit Ethernet module. Table E-5 describes the behavior of the port LEDs.

*Table E-5        Port-Level LEDs*

| Link State | LED State | Notes |
|---|---|---|
| Link Down | Off | — |
| POST failed on port | Blinking (Amber) | — |

*Table E-5        Port-Level LEDs*

| Link State | LED State | Notes |
|---|---|---|
| Administrative disabled | On (Amber) | Depending on the product, the LED could be off, or solid amber |
| Link Up, port in STP forwarding state | On (Green) | Blinks based on network activity |

■    **Port LEDs**