

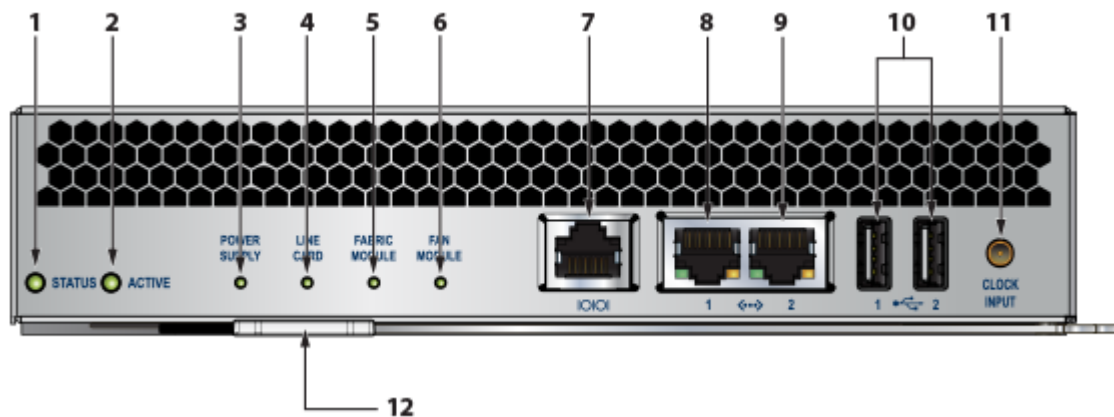
Status Indicators

A.1 Supervisor Module

While the front panel of each switch can house two supervisors, switch operations require only one. Supervisors display switch component status and contain Ethernet management and console ports. [Appendix B](#) displays the supervisor location on each switch.

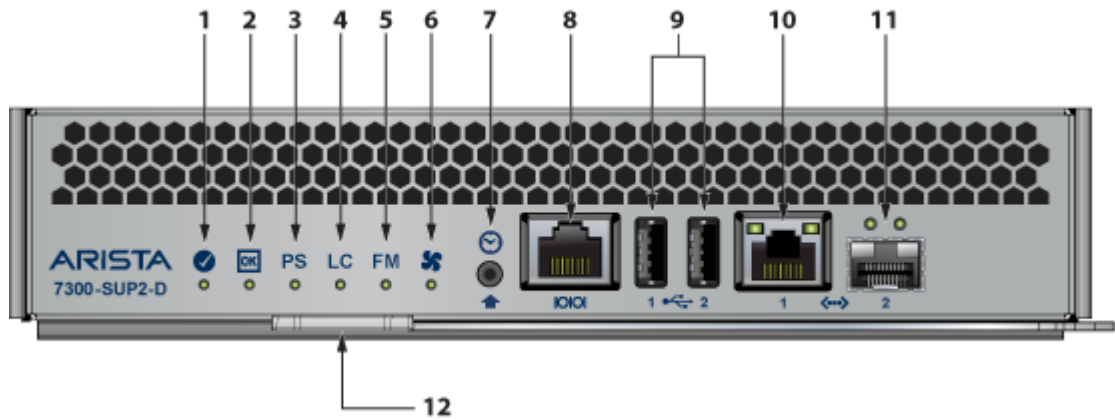
The supervisor provides one serial console port, two Ethernet management ports, two USB ports, and one clock input port. Supervisor activity is reported by LEDs in the lower left corner. Four LEDs located right of these LEDs report status of other switch components. [Figure A-1](#) and [Figure A-2](#) display the Supervisor Modules.

Figure A-1: Supervisor Module (DCS-7300(-D)-SUP)



1	Status LED	5	Fabric module status LED	9	Ethernet management port
2	Active LED	6	Fan module status LED	10	USB ports
3	Power supply status LED	7	Console serial port	11	Clock input port
4	Line card status LED	8	Ethernet management port	12	Release lever

Figure A-2: Supervisor Module (DCS-7300-SUP2-D)



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|---|-------------------------|---|--------------------------|----|--------------------------|
| 1 | Status LED | 5 | Fabric module status LED | 9 | USB ports |
| 2 | Active LED | 6 | Fan module status LED | 10 | Ethernet management port |
| 3 | Power supply status LED | 7 | Clock input port | 11 | Ethernet management port |
| 4 | Line card status LED | 8 | Console serial port | 12 | Release lever |

Supervisor Activity Status LEDs

Table A-1 interprets the states of the Status and Active LEDs.

Table A-1 Supervisor Activity LED States

LED Name	LED State	Supervisor State
Status	Off	Module failed or is improperly inserted.
	Green	Supervisor operating normally.
	Red	Module failed.
Active	Off	Supervisor is not active.
	Green	Supervisor is active and controlling the switch.

Component Activity Status LEDs

LEDs located below the vents and left of the input ports display summary indicators for power supplies, fabric modules, fan modules, and line cards. [Table A-2](#) interprets the states of these indicators. When error conditions are indicated, refer to LEDs on the specified modules to determine the condition's source.

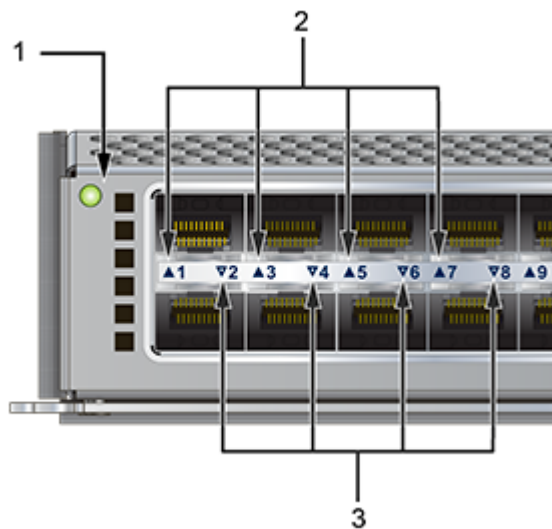
Table A-2 Component Activity LED States

LED Name	LED State	Module State
Power Supply Line Card Fabric Module	Off	No modules are present or powered.
	Green	All powered modules are operating normally.
	Red	At least one module has failed.
Fan Modules	Off	Module not inserted.
	Amber	At least one fan is missing or has failed.
	Green	All modules are operating normally.
	Red	There are insufficient functional fans installed in the switch.

A.2 Line Card Module Indicators

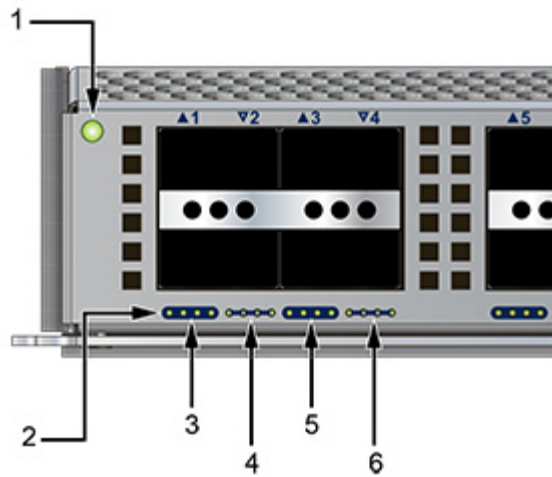
Each line card module provides one status LED plus LEDs for each port on the card. The figures in [Appendix F](#) indicate the location of the LEDs on each line card. [Figure A-3-left](#) displays the status LED and Port LEDs on the left side of the DCS-7300X-64S-LC line card. [Figure A-3-right](#) displays the status LED and Port LEDs on the left side of the DCS-7300X-32Q-LC line card.

Figure A-3: Linecard Status LEDs (DCS-7300X-LC)



- 1 Status LED
- 2 Upper port status LED
- 3 Lower port status LED

Figure A-4: Linecard Status LEDs (DCS-7300X-32Q-LC)



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|---|------------------------|---|--------|
| 1 | Status LED | 4 | QSFP 2 |
| 2 | 10G/40G QSFP Port LEDs | 5 | QSFP 3 |
| 3 | QSFP 1 | 6 | QSFP 4 |

The Line Card Status LED is in the top left corner of the DCS-7300X Line Card. [Table A-3](#) interprets the states of the Status LED.

Table A-3 Line Card Status LED States

LED State	Status
Off	Line card not inserted.
Green	Line card operating normally.
Yellow	Line card administratively shut down.
Red	Module has failed.

The Line card provides LEDs for each port module socket:

- [Figure A-3](#) displays SFP module LEDs. Each LED corresponds to a module.
- [Figure A-4](#) displays QSFP module LEDs. A set of four LEDs correspond to each module. When the module is programmed as a 40G port, the first LED in the set reports status. When the module is programmed as four 10G ports, each port is assigned to an LED within the set.

[Table A-4](#) interprets port LED states.

Table A-4 Line card Port LED States

LED State	Status
Off	Port link is down.
Green	Port link is up.
Yellow	Port is disabled in software.

A.3 Fan and Fabric Status Indicators

Fan and fabric modules are accessed from the rear panel. Fabric modules are inserted into the switch and fan modules are inserted into the fabric modules. Each switch contains four fabric modules; the fan module capacity of fabric modules varies by switch model, as displayed in [Table A-5](#).

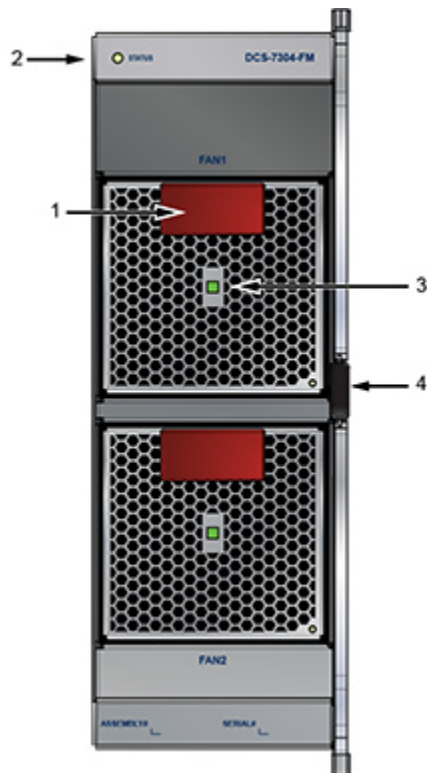
Table A-5 Fan Module Capacity

Switch Model	Fabric Capacity	Switch Capacity
DCS-7304	2 fan modules	8 fan modules
DCS-7308	4 fan modules	16 fan modules
DCS-7316	8 fan modules	32 fan modules

[Appendix E](#) displays the rear panel of all switches covered by this guide. [Figure A-5 on page 43](#) displays a DCS-7304-FM fabric module and the fan modules that it contains.

Fan and fabric module indicators are displayed in [Figure A-5 on page 43](#). The fan handle indicates the fan direction. All fan modules must have the same color handle.

Figure A-5: Fan Status and Fabric Status LEDs



- 1 Handle (color indicates airflow orientation)
- 2 Fabric status LED
- 3 Fan module installation indicator
- 4 Fan module status LED

The **fan module installation indicator** is green when the fan module is properly installed or red when the module is not fully installed. [Table A-6](#) interprets the states of the Fan and Fabric Status LEDs.

Table A-6 Fan and Fabric Status LED States

LED State	Status
Off	The module is inserted but not receiving power – it may not be properly seated.
Green	The module is operating normally.
Red	The module has failed.

A.4 Power Supply Status Indicators

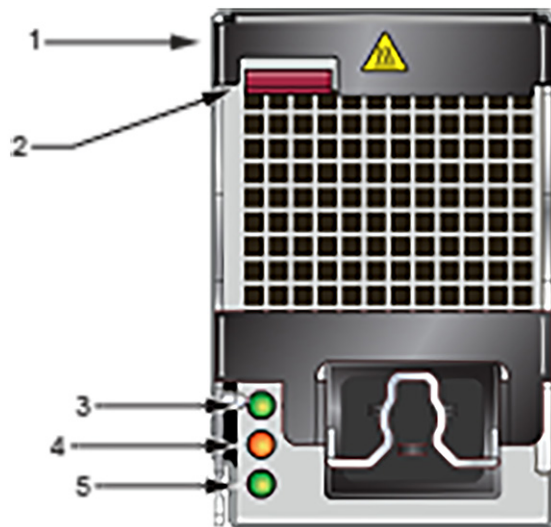
Power Supply LEDs are on power supply modules. The front panel contains power supply modules for all switches; the DCS-7316 rear panel may also contain power supply modules. [Appendix D](#) (front panels) and [Appendix E](#) (rear panels) displays the position of these LEDs on each switch.

[Figure A-6 on page 44](#) display a power supply module.

The power supply handle indicates the power supply fan direction. Verify the airflow direction of all modules satisfy these criteria:

- All rear panel modules (fan and power supply modules) have the same color handles.
- All front panel modules (power supply modules) have the same color handles.
- Rear panel modules and front panel modules have different color handles.

Figure A-6: Power Supply



- | | | | | | |
|---|---|---|-----------|---|-----------|
| 1 | Release | 3 | DC OK LED | 5 | AC OK LED |
| 2 | Ejector (color indicates airflow orientation) | 4 | Fault LED | | |

Table A-7 interprets the states of the Power Supply Status LED.

Table A-7 Power Supply Status

AC OK LED	Fault LED	DC OK LED	Status
Green	Off	Green	Power Supply module operating normally.
Green	Off	Off	AC is present, Main output is off.
Off	Off	Off	No AC power to the module.
Green	Amber Blinking	Off	Module has faulted.

