Overview

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The Cisco Nexus 92348GC-FX3 switch (N9K-C92348GC-FX3) is a 1-RU fixed-port, L2/L3 switch, designed for deployment in data centers. This switch has 48x 100M/1G BASE-T downlink ports, 4x 10/25 Gbps SFP28+ uplink ports, 2x 40/100 Gbps QSFP28+ uplink ports, and will deliver 696 Gbps of total bandwidth.

This switch includes these user-replaceable components:

- Three fan modules with these airflow choices:

- Port-side intake airflow with burgundy coloring (NXA-SFAN-30CFM-PI)

- Port-side exhaust airflow with blue coloring (NXA-SFAN-30CFM-PE)

Note This switch will power down due to a fan-policy trigger if fewer than 2 fans are operational.

Note

Table 1: Fan Speeds for this Switch

	Port-Side Intake Fan Speed %	Port-Side Exhaust Fan Speed %
Typical/Minimum	40%	40%
Maximum	100%	100%

Note Each fan module has two rotors. The switch can function normally if one rotor inside the any one fan module fails. In case of more than one rotor failure, the switch will issue a warning and power down in 2 minute.

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Note This switch supports a mix of AC and DC power supplies in the same chassis for up to 15 minutes. This enables you to switch from AC/DC (and vise versa) without the interruption of a power cycle.

- Power supply modules (two—one for operations and one for redundancy [1+1]) with these choices (a mix of AC and DC power sources is supported. However, do not mix airflow directions):

  - 350-W AC power supply with port-side intake airflow (burgundy coloring) (NXA-PAC-350W-PI2)

  - 350-W AC power supply with port-side exhaust airflow (blue coloring) (NXA-PAC-350W-PE2)

  - 350-W PHV power supply with port-side intake airflow (burgundy coloring) (NXA-PHV-350W-PI)

  - 350-W PHV power supply with port-side exhaust airflow (blue coloring) (NXA-PHV-350W-PE)

  - 440-W DC power supply with port-side intake airflow (burgundy coloring) (NXA-PDC-440W-PI)

  - 440-W DC power supply with port-side exhaust airflow (blue coloring) (NXA-PDC-440W-PE)

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Note The 350-W AC power supply does not have the standby voltage to be able to carry to a second power supply, to allow it to communicate and poll the device.
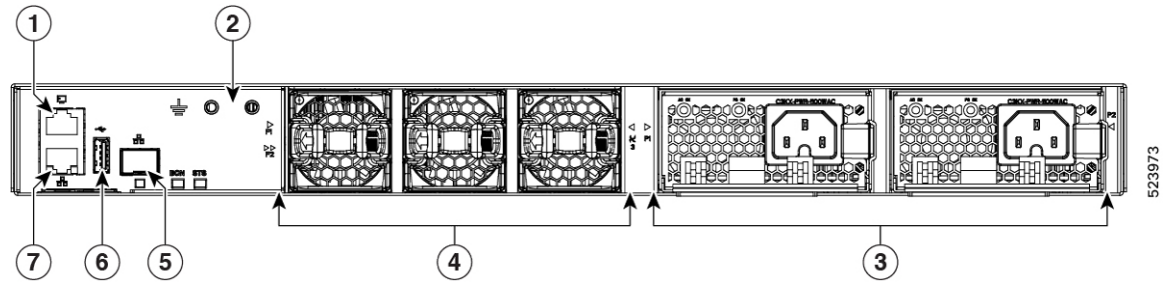
This figure shows the switch features on the port side of the chassis.
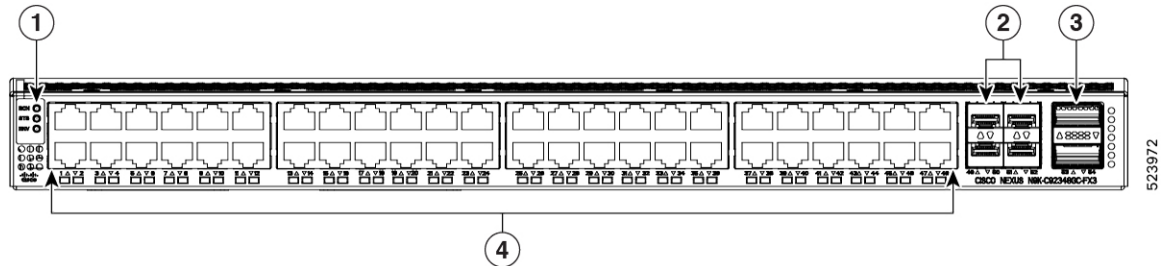
1	LEDs	2	SFP28 ports (4)
3	QSFP28 ports (2)	4	10M/100M/1G RJ45 ports (48)

To determine which transceivers, adapters, and cables support this switch, see the Cisco Transceiver Modules Compatibility Information document.

This figure shows the switch features on the power supply side of the chassis.

1	Console port	2	Grounding pad
3	Power supply modules (1 or 2) (AC power supplies shown) with slots numbered 1 (left) and 2 (right)	4	Fan modules (3) with slots numbered from 1 (left) to 3 (right)
5	Management port (SFP)	6	USB port
7	Management port (RJ45)		

The fan and power supply modules are field replaceable. You can replace one fan module or one power supply module during operations--if the other modules are installed and operating. If you have only one power supply installed, install the replacement power supply in the open slot before removing the original power supply.

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Caution   If the switch has port-side intake airflow (burgundy coloring for fan modules), locate the ports in the cold aisle. If the switch has port-side exhaust airflow (blue coloring for fan modules), locate the ports in the hot aisle. If you install the air intake in a hot aisle, the switch can overheat and shut down.