



Overview

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The Cisco Nexus 9348GC-FX3PH switch (N9K-C9348GC-FX3PH) is a 1-RU fixed-port, L2/L3 switch, designed for deployment in data centers. This switch has 40 10M/100M/1G copper RJ45 downlink ports that support PoE/PoE+/PoE++ and 8 10M/100M copper RJ45 downlink ports that support PoE/PoE+/PoE++, 4 10-/25G SFP28 uplink ports, and 2 40-/100G QSFP28 uplink ports.



Note Ports 41-48 support 10M/100M half-duplex only.

This switch includes the following user-replaceable components:

- Fan modules (three) with the following 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.

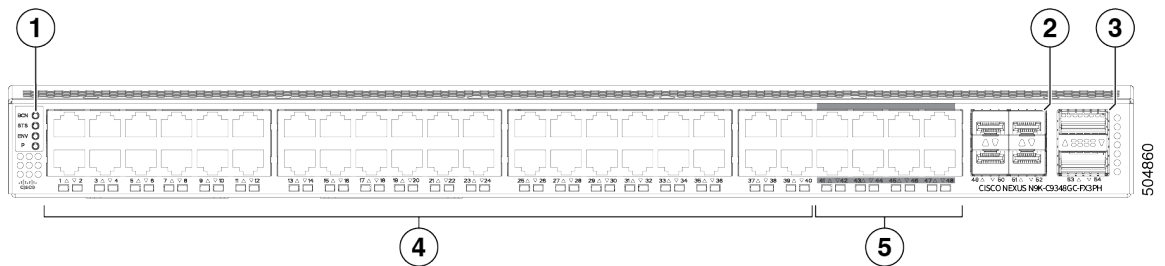
- Power supply modules (two—one for operations and one for redundancy [1+1]) with the following choices (a mix of AC and DC power sources is supported but do not mix airflow directions):
 - 350-W AC power supply with port-side intake airflow (burgundy coloring) (NXA-PAC-350W-PI2)
 - 350-W AC power supply with port-side exhaust airflow (blue coloring) (NXA-PAC-350W-PE2)
 - 1900-W AC power supply with port-side intake airflow (burgundy coloring) (NXA-PAC-1900W-PI)
 - 1900-W AC power supply with port-side exhaust airflow (blue coloring) (NXA-PAC-1900W-PE)
 - 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)



Note The following power levels are available for AC power supplies; 1900W, and 350W with the below load configurations. The PoE configurations and minimum power supply requirements are noted below as well:

- 48 PoE++ (60W ports) - two 1900W power supplies needed.
- 21 PoE++ (60W ports) - one 1900W power supplies needed.
- Non-PoE - one or two 350W power supplies needed.

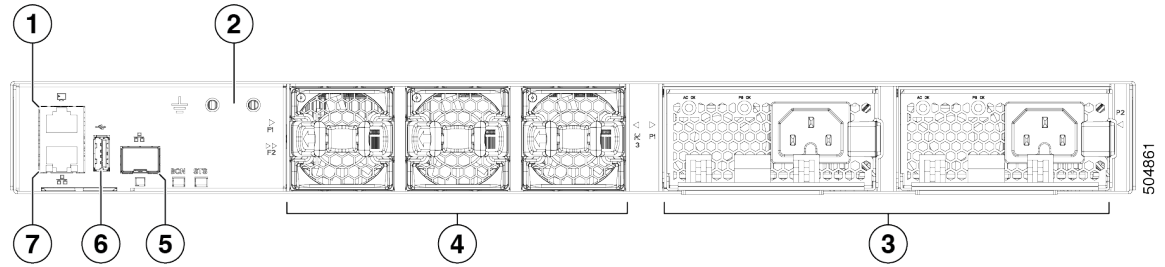
The following figure shows the switch features on the port side of the chassis.



1	LEDs	2	SFP28 ports (4)
3	QSFP28 ports (2)	4	10M/100M/1G RJ45 ports (40)
5	10M/100M RJ45 ports (8)		

To determine which transceivers, adapters, and cables are support this switch, see the [Cisco Transceiver Modules Compatibility Information](#) document.

The following 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 so long as the other modules are installed and operating. If you have only one power supply installed, you can install the replacement power supply in the open slot before removing the original power supply.



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

