



Overview

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The Cisco Nexus 92348GC-X switch (N9K-C92348GC-X) is a 1RU switch that supports 696 Gbps of bandwidth and over 250 mpps. The 48 1GBASE-T downlink ports on the 92348GC-X can be configured to work as 100-Mbps, 1-Gbps ports. The 4 ports of SFP28 can be configured as 1/10/25-Gbps and the 2 ports of QSFP28 can be configured as 40- and 100-Gbps ports. The Cisco Nexus 92348GC-X is ideal for big data customers that require a Gigabit Ethernet ToR switch with local switching. The switch also has 1 USB port, 1 Console port, and 1 Management port (RJ45 or SFP)

This switch includes the following user-replaceable components:

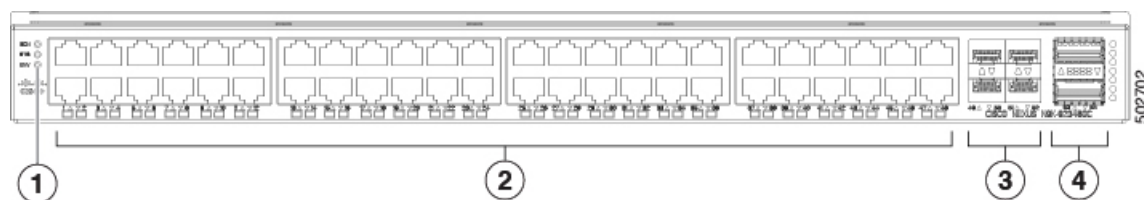
- Fan modules (3) with the following airflow choices:
 - Port-side exhaust airflow with blue coloring (NXA-FAN-30CFM-F)
 - Port-side intake airflow with burgundy coloring (NXA-FAN-30CFM-B)



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:
 - 400-W AC power supply with port-side exhaust airflow (blue coloring) (N2200-PAC-400W)
 - 400-W AC power supply with port-side intake airflow (burgundy coloring) (N2200-PAC-400W-B)
 - 350-W DC power supply with port-side intake airflow (N2200-PDC-350W-B)
 - 400-W DC power supply with port-side exhaust airflow (blue coloring) (N2200-PDC-400W)
 - 500-W PHV power supply with port-side exhaust airflow (blue coloring) (NXA-PHV-500W)
 - 500-W PHV power supply with port-side intake airflow (red coloring) (NXA-PHV-500W-B)

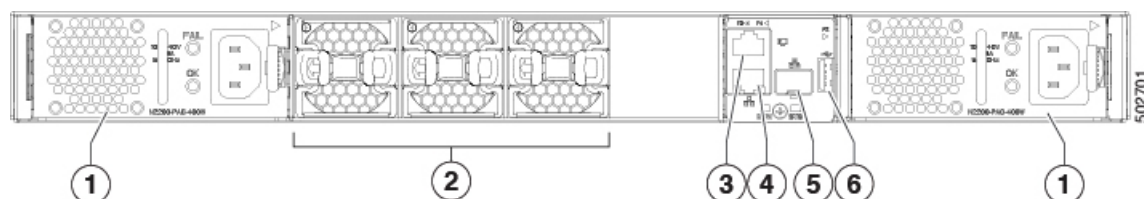
The following figure shows the hardware features seen from the port side of the chassis.



1	Chassis LEDs (Beacon [BCN], Status [STS], and Environment [ENV])	3	1/10/25-Gigabit Ethernet SFP28 ports (4)
2	100/1000-Megabit Ethernet RJ45 ports (48)	4	10(+QSA)/25(+QSA)/40/50/100-Gigabit Ethernet QSFP ports (2) which can support 10Gx4 / 25Gx4 / 50Gx2 in breakout mode.

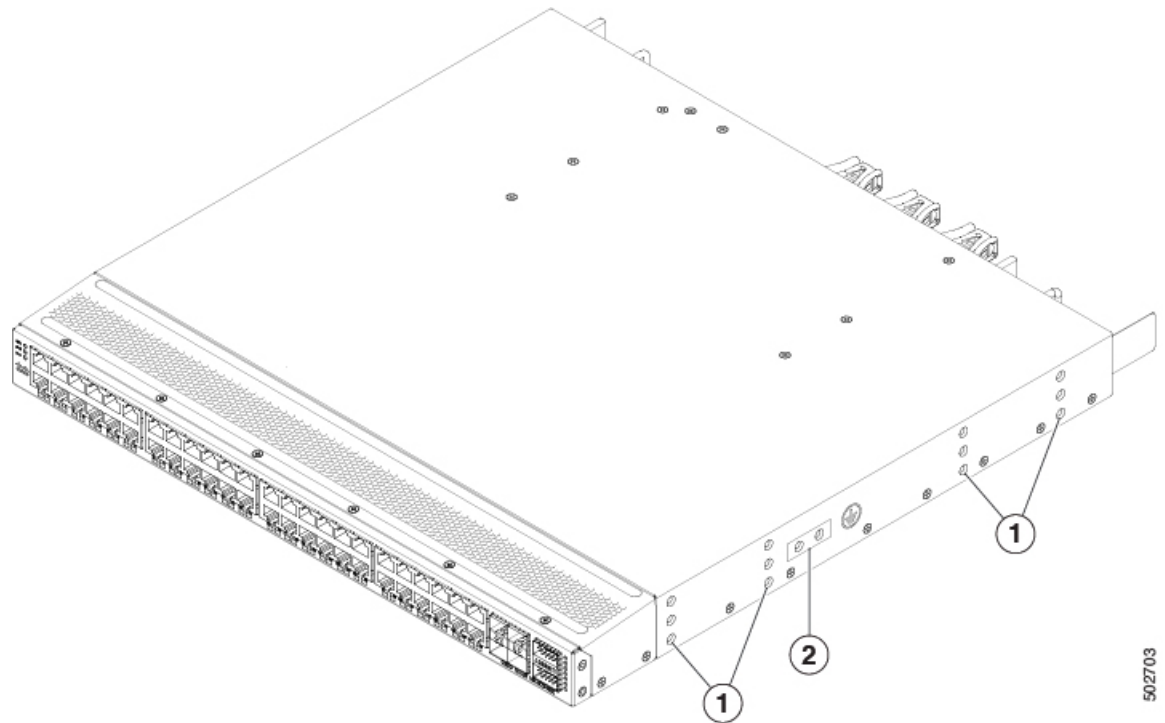
To determine which transceivers, adapters, and cables this switch supports, see the [Cisco Transceiver Modules Compatibility Information](#) document.

The following figure shows the hardware features seen from the power supply side of the chassis.



1	Power supply (2) (one used for operations and one used for redundancy) with power supply slot 1 on the left and slot 2 on the right	4	Management port (RJ45)
2	Fan modules (only 3 used) with fan slot 1 on the left and fan slot 3 on the right	5	Management port (SFP)
3	Console port	6	USB port

The following figure shows the hardware features seen from the side of the chassis.



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1	Screw holes (6) for attaching rack mounting brackets	2	Grounding pad
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Note USB support is limited to USB 2.0 devices that use less than 2.5 W (less than 0.5 A inclusive of surge current). Devices, such as external hard drives, that instantaneously draw more than 0.5 A are not supported.

Depending on whether you plan to position the ports in a hot or cold aisle, you can order the fan and power supply modules with port-side intake or port-side exhaust airflow. To determine the airflow direction of the modules installed in your switch, see the following table.

Replaceable Modules	Port-Side Intake Airflow Coloring	Port-Side Exhaust Airflow Coloring
Fans	Burgundy	Blue
AC power supplies	Burgundy	Blue
HVAC/HVDC power supplies	White	
DC power supplies	Burgundy	Blue

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.

**Note**

All of the fan and power supply modules must have the same direction of airflow. Otherwise, the switch can overheat and shut down. If you are installing a dual-direction power supply, that module automatically uses the same airflow direction as the other modules in the switch.

**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.

The switch supports the Fabric Extenders (FEXs) listed at <https://www.cisco.com/c/dam/en/us/td/docs/switches/datacenter/nexus9000/hw/interoperability/fexmatrix/fextables.html>.