



Overview

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The Cisco Nexus 9236C switch (N9K-C9236C) is a 1 rack unit (RU) switch that has the following ports:

- 36 100-Gigabit QSFP28 interface ports that support 100-, 50-, 40-, 25-, 10- and 1-Gigabit speeds. You can use the following adapters with these ports:
 - CVR-2QSFP28-8SFP which provides eight SFP/SFP+/SFP28 ports for each vertical pair of ports on the switch. The top four SFP/SFP+/SFP28 ports connect to the upper QSFP28 port of the switch pair, and the bottom SFP/SFP+/SFP28 ports connect to the lower QSFP28 port.
 - CVR-QSFP-SFP10G which provides an SFP/SFP+ port for one QSFP/QSFP28 port on the switch.



Note These ports also support breakout cables with four 10-Gigabit SFP+ transceivers (such as the QSFP-4X10G-AOCxM and QSFP-4SFP10G-CUxM cables).

- 1 100/1000 management port
- 1 console port
- 2 software-defined ports
- 1 USB port for saving or loading switch configurations

The chassis for this switch includes the following user-replaceable components:

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



Note *Table 1: Fan Speeds for this Switch*

	Port-Side Intake Fan Speed %	Port-Side Exhaust Fan Speed %
Typical/Minimum	50%	100%
Maximum	100%	100%

- Power supply modules (two—one for operations and one for redundancy [n+1]) with the following choices:
 - 650-W port-side intake AC power supply with burgundy coloring (NXA-PAC-650W-PI)
 - 650-W port-side exhaust AC power supply with blue coloring (NXA-PAC-650W-PE)
 - 1200-W HVAC/HVDC dual-direction airflow power supply with white coloring (N9K-PUV-1200W)
 - 930-W port-side intake DC power supply with green coloring (UCSC-PSU-930WDC)
 - 930-W port-side exhaust DC power supply with gray coloring (UCS-PSU-6332-DC)

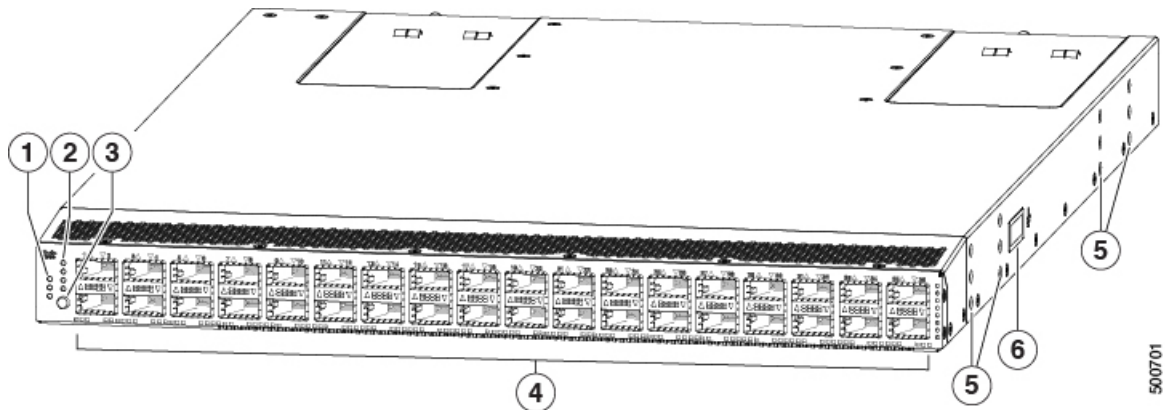


Note Both power supplies should be the same type. Do not mix AC, DC, or HVAC/HVDC power supplies.



Note All fan modules and power supplies must use the same airflow direction during operations. If you are using the 1200-W HVAC/HVDC power supplies, those power supplies automatically use the same airflow direction as used by the other modules in the switch.

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

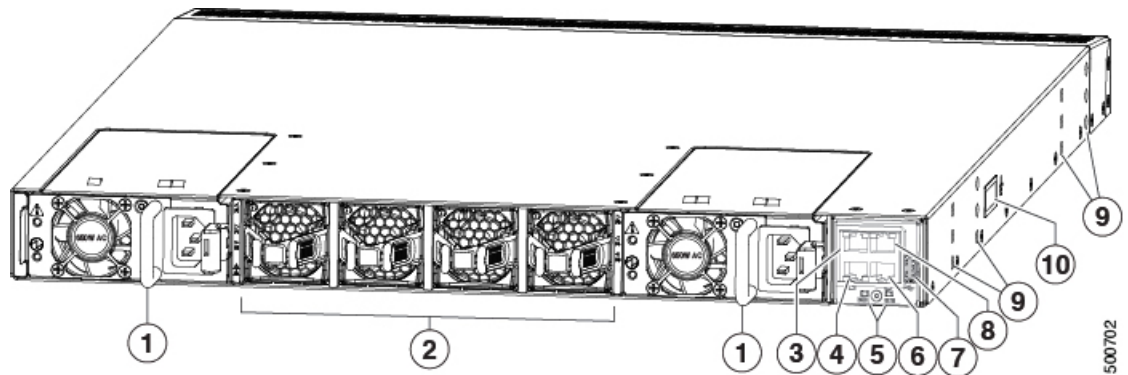


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1	Beacon (BCN), Status (STS), and Environment (ENV) LEDs	4	36 100-Gigabit QSFP+/QSFP28 ports
2	Lane link status LEDs for 4x10-Gigabit port configuration (1 LED lit to show the lane being checked or all LEDs off when all 4 lanes are being checked)	5	Screw holes (6) for attaching a mounting bracket
3	Lane shift button	6	Grounding pad

To determine which transceivers, adapters, and cables are supported by 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	Power supply modules (1 or 2) (AC power supplies shown) with slots numbered 1 (left) and 2 (right)	6	Console port (1)
2	Fan modules (4) with slots numbered from 1 (left) to 4 (right)	7	USB port (1)
3	L1 port (software defined)	8	Management port (RJ-45)
4	L2 port (software defined)	9	Screw holes (6) for attaching a mounting bracket
5	Beacon (BCN) and Status (STS) LEDs	10	Grounding pad

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. For port-side intake airflow, the fan and

AC power supply modules have burgundy coloring (DC power supply modules have green coloring). For port-side exhaust airflow, the fan and AC power supplies have blue coloring (DC power supply modules have gray coloring). You can also order the 1200-W HVAC/HVDC power supply which has dual-direction airflow with white coloring. Dual-direction airflow modules automatically use the airflow direction of the other modules installed in the switch.

The fan and power supply modules are field replaceable and 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 will automatically use 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.
