

Revised: February 28, 2025

Install the Fan - HF6100-32D

Fan overview

The fan module is designed to be removed and replaced while the system is operating without presenting an electrical hazard or damage to the system. Please keep the replacement fan modules ready prior to attempting this task.

Table 1: Fan part number and description

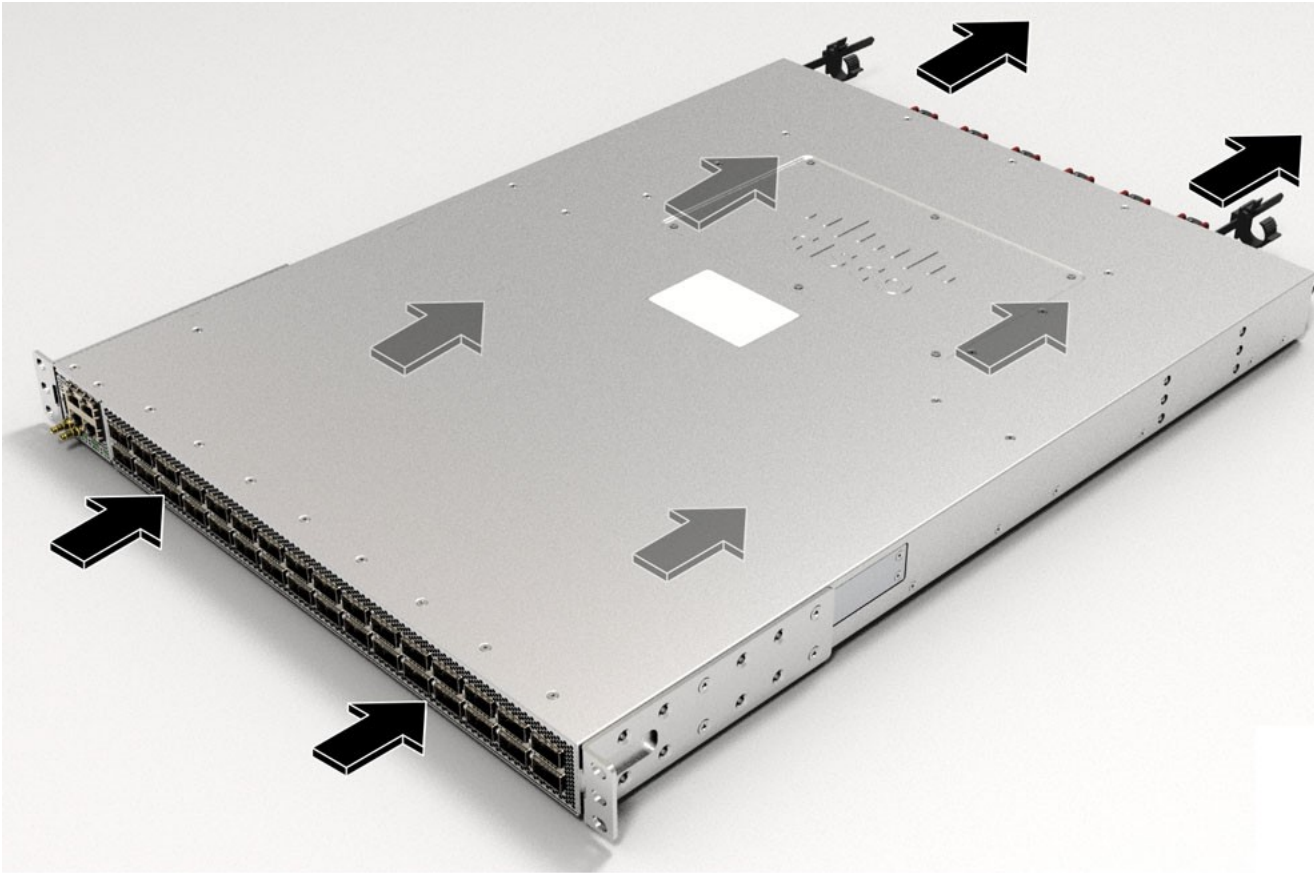
Part Number	Description
FAN-1RU-PI-V2	Port Side intake airflow
FAN-1RU-PE-V2	Port Side exhaust airflow

Six individual fan modules are available. The switch can operate with five operational fans and one nonfunctional fan. Any failed fan should be replaced as soon as possible to avoid service interruption due to a second fan fault.

Fan installation guidelines

The airflow direction must be the same for all power supply and fan modules in the chassis. Depending upon the required airflow direction, you can change the fan type. You must then also change the power supply.

Figure 1: Airflow Direction



Install a fan

Step 1 Hold the fan module with the LED at the top.

Step 2 Align the fan module to the open fan tray slot in the chassis, and press the module all the way into the slot until the left and right latches click and are locked on the chassis.



Note

If the fan module does not go all the way into the slot, do not force it. Remove the fan module and verify that it is the correct type for your switch.

Step 3 If the chassis is powered on, listen for the sound of the fans in operation. You should immediately hear them in operation. If you do not hear them, ensure that the fan module is inserted completely in the chassis.



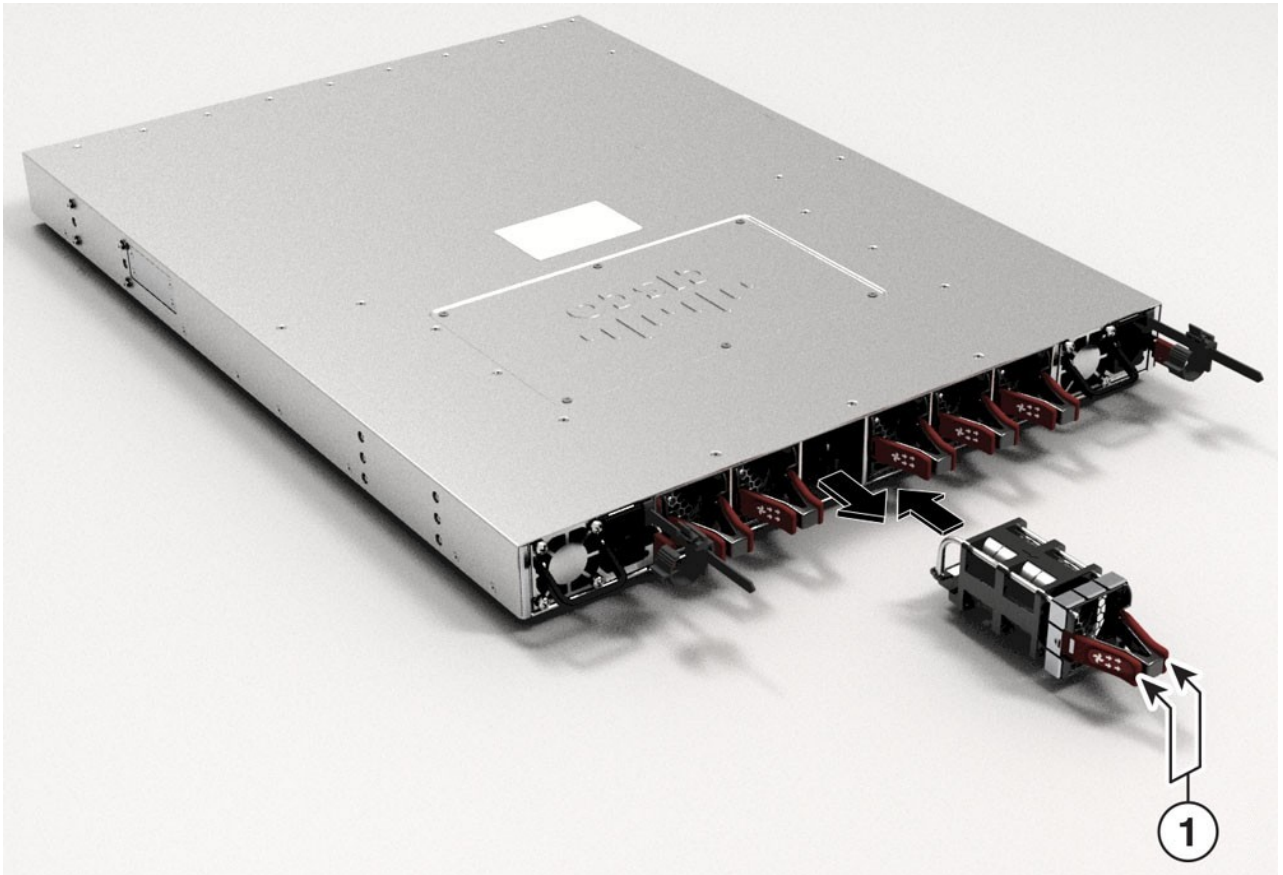
Note

During the fan module replacement, the other fans adjust their speed to allow for proper initialization of the new module. When you insert a new fan module, the fans may run at lower or higher speeds for a few minutes.

- Step 4** Verify that the fan module LED turns green. If the LED is not green, one or more fans are faulty. If this situation occurs, contact your customer service representative for replacement parts.

Replace a fan

- Step 1** Press two latches on the fan module and grasp the handle of fan module.



You should replace the fan module within 5 minutes to avoid overheating the switch.

Note

- Step 2** As you simultaneously press the latches pull the fan module fully out of the chassis.
Step 3 Follow the steps for [Install a fan](#).

Find the fan module serial number

If you contact Cisco Technical Assistance regarding a fan module, you need to know the fan module serial number. See the following illustration to find the serial number.

Figure 2: Fan Module Serial Number

