Revised: October 6, 2025

Overview of HF6100-60L4D

Introduction

Overview

Cisco 6000 series switches are cloud-managed network fabric switches. These switches are part of the Cisco Nexus Hyperfabric fabric-as-a-service (FaaS) solution, and allows you to design and build a physical network.

The Cisco Nexus Hyperfabric FaaS is an automated and cloud-managed scalable data center fabric solution that simplifies network deployment and operations by offering networking as a managed service. The FaaS solution enables organizations to design, deploy, manage, and scale multiple data center network fabrics with ease.

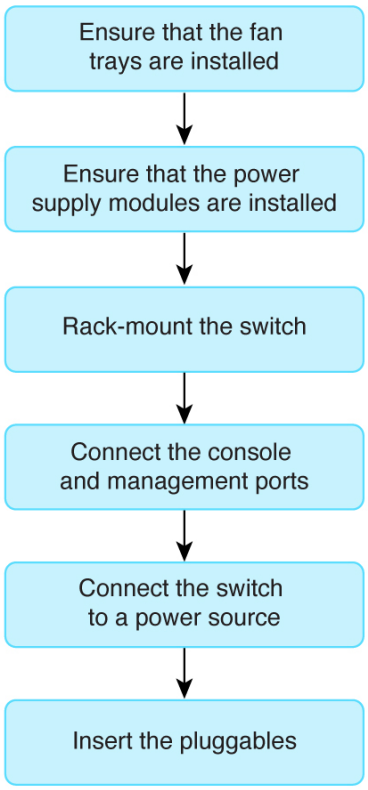
The HF6100-60L4D switch consists of

- 1 rack unit (RU) top of the rack (TOR)
- 60 x 10/25/50G 4 x 40/100/200/400G QSFP-DD ports
- 2 power supply slots
- 6 fan trays

Installation workflow

The diagram describes the installation workflow.

Figure 1: Installation workflow of HF6100-60L4D



After you install the switch,

- install all the six fans,
- install the two power supply modules,
- rack-mount the switch,
- connect the console and management ports,
- connect the switch to a power source, and
- insert the pluggables.

Console Speed

The console speed is 115200 baud, 8 data bits, 1 stop bit and no parity.

Front Panel

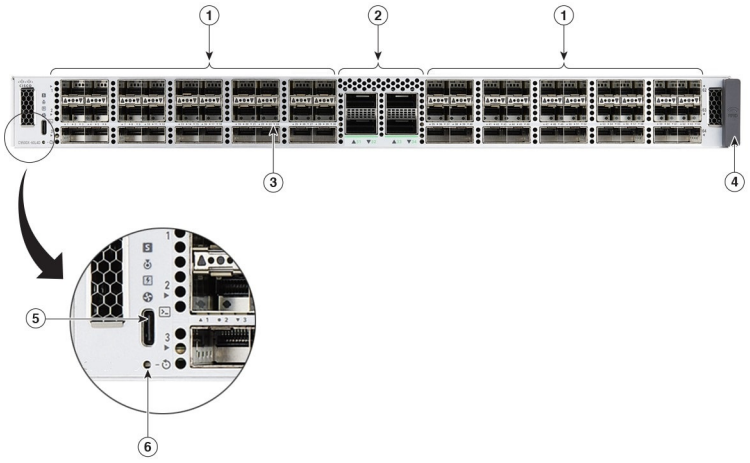
The front panel of Cisco 6000 series switch (HF6100-60L4D) supports

- USB-C console port
- 40/100/200/400G for Quad Small Form-Factor Pluggable (QSFP-DD) ports

- 10/25/50G for Small Form-Factor Pluggable (SFP) ports

The LED for the switch and provision to reset the switch is also available on the front panel.

Figure 2: Front panel of HF6100-60L4D



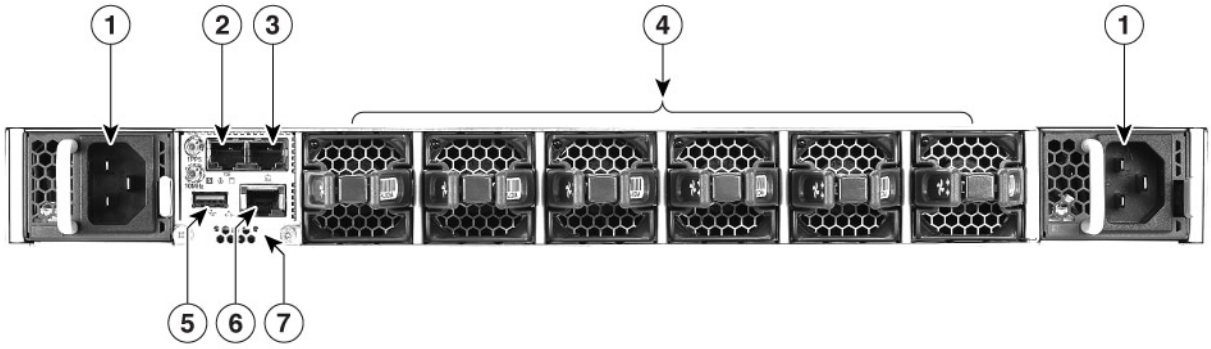
1	60 x 10/25/50G SFP ports	4	RFID (Optional)
2	4 x 40/10/200/400G QSFP-DD ports	5	USB-C console port
3	Port LEDs	6	Reset button

Rear Panel

The rear panel of Cisco 6000 series switch (HF6100-60L4D) supports

- two power supply units or modules,
- one RJ-45 console port,
- six fan units or modules in 5+1 redundancy,
- one USB 3.0 host port,
- one RJ-45 Ethernet management port, and
- one SSD module port

Figure 3: Rear panel of HF6100-60L4D



1	power supply modules	5	USB 3.0 host port
2	blocked port	6	RJ-45 Ethernet management port
3	RJ-45 console port	7	SSD module
4	fan modules	-	

Power Supply

For more information, see Install the power supply.

Fan

For more information, see Install the fan.

Ports

Console ports

The console ports connect the switch to a PC running Microsoft Windows or to a terminal server.

- USB-C console port. If using the USB-C console port, ensure that you install the Cisco Windows USB device driver on any PC or laptop used to connect to the console port (for operation with Microsoft Windows). Mac OS X or Linux do not require special drivers.
- RJ-45 console port (EIA/TIA-232). The RJ-45 console port connection uses an RJ-45-to-DB-9 female cable.

USB host ports

USB host ports lets you connect different USB devices such as flash drives to the switch. The USB 3.0 port provides support for Cisco USB flash drives with capacities from 64 MB to 16 GB. Cisco Nexus Hyperfabric OS software provides standard file system access to the flash device: read, write, erase, and copy, as well as the ability to format the flash device with a FAT file system.

The USB 3.0 port is located on the rear panel.

Management ports

The Ethernet management port is a interface to which you can connect a PC. It is used for cloud connectivity. The Ethernet management port supports speeds up to 10/100/1000 Mbps and is set to auto-negotiate.

Quad Small Form-Factor Pluggable (QSFP-DD) module ports

The Small Form-Factor Pluggable (SFP) and Quad Small Form-Factor Pluggable (QSFP-DD) modules provide copper or fiber-optic connections to other devices. For more information, see the TMG matrix for the list of supported Cisco pluggable transceiver modules https://tmgmatrix.cisco.com/?si=HF6100-60L4D.