

Introduction

Cisco Catalyst 9600 Series Switches are the next generation purpose-built 40 GigabitEthernet and 100 GigabitEthernet modular core and aggregation platform providing resiliency at scale with the industry's most comprehensive security while allowing your business to grow at the lowest total operational cost. They have been purpose-built to address emerging trends of Security, IoT, Mobility, and Cloud.

They deliver complete convergence in terms of ASIC architecture with Unified Access Data Plane (UADP) 3.0. The platform runs an Open Cisco IOS XE that supports model driven programmability, Serial Advanced Technology Attachment (SATA) Solid State Drive (SSD) local storage, and a higher memory footprint). The series forms the foundational building block for SD-Access, which is Cisco's lead enterprise architecture.

It also supports features that provide high availability, advanced routing and infrastructure services, security capabilities, and application visibility and control.

• Supported Hardware, on page 1

Supported Hardware

Cisco Catalyst 9600 Series Switches—Model Numbers

The following table lists the supported switch models. For information about the available license levels, see section *License Levels*.

Switch Model **(append with "=" for spares)**	**Description**
C9606R	Cisco Catalyst 9606R Switch • Redundant supervisor module capability • Four linecard slots • Hot-swappable fan tray, front and rear serviceable, fan tray assembly with 9 fans. • Four power supply module slots

Supported Hardware on Cisco Catalyst 9600 Series Switches

Product ID (append with "=" for spares)	Description
Supervisor Modules	
C9600-SUP-1	Cisco Catalyst 9600 Series Supervisor 1 Module This supervisor module is supported on the C9606R chassis.
C9600X-SUP-2	Cisco Catalyst 9600 Series Supervisor Engine 2 This supervisor module is supported on the C9606R chassis.
SATA[1] SSD[2] Modules (for the Supervisor)	
C9K-F2-SSD-240GB	Cisco Catalyst 9600 Series 240GB SSD Storage
C9K-F2-SSD-480GB	Cisco Catalyst 9600 Series 480GB SSD Storage
C9K-F2-SSD-960GB	Cisco Catalyst 9600 Series 960GB SSD Storage
50 GigabitEthernet Line Cards	
C9600-LC-40YL4CD	Cisco Catalyst 9600 Series 40-Port 50G, 2-Port 200G, 2-Port 400G Line Card. It supports: • 40 SFP56 ports, 2 QSFP56 ports and 2 QSFP-DD ports. SFP56 ports support 50G or 25G or 10G, whereas QSFP56 ports support 200G/100G/40G and QSFP-DD ports support 400G/200G/100G/40G speeds. • 40 ports of 50G/25G/10G, 2 ports of 200G/100G/40G and 2 ports of 400G/200G/100G/40G with C9600X-SUP-2 • 40 ports of 25G/10G/1G and 2 ports of 100G/40G with C9600-SUP-1
40 or 100 GigabitEthernet Line Cards	
C9600-LC-24C	Cisco Catalyst 9600 Series 24-Port 40GE/12-Port 100GE Line Card. It supports: • 12 ports of 100 GigabitEthernet (GE) or 24 ports of 40GE • QSFP on all ports and QSFP28 on the 100 GE ports

Product ID (append with "=" for spares)	Description
C9600-LC-32CD	Cisco Catalyst 9600 Series 30 ports of 100G/40G QSFP28, 2-port 400G QSFP-DD line card It supports: • 30 ports of 100 GigabitEthernet (GE) or 40GE. • 2 ports of 400GE. • QSFP28 on all ports and QSFP-DD on the 400GE ports.
25 GigabitEthernet Line Cards	
C9600-LC-48YL	Cisco Catalyst 9600 Series 48-Port 25GE/10GE/1GE line card. It supports: • 48 ports of 25 GE, 10GE or 1GE • SFP28, SFP+ transceivers on all ports
10 GigabitEthernet Line Cards	
C9600-LC-48TX	Cisco Catalyst 9600 Series 48-port of 10GE/5GE/2.5GE/1GE/100Mbps/10 Mbps line card. • Provides 48 10 G, 5 G, 2.5 G, 1 G, 100 Mbps and 10Mbps interfaces by default. These ports can be interchangeably used as 10 G, 5 G, 2.5 G, 1 G, 100 Mbps and 10 Mbps ports. • All the 48 ports support 10 G, 5 G, 2.5 G, 1 G, 100 Mbps and 10 Mbps speeds.
1 GigabitEthernet Line Cards	
C9600-LC-48S	Cisco Catalyst 9600 Series 48-Port 1GE line card. It supports: • 48 ports of 1GE. • SFP transceivers on all ports
AC Power Supply Modules	
C9600-PWR-2KWAC	Cisco Catalyst 9600 Series 2000W AC Power Supply Module[3]
DC Power Supply Modules	
C9600-PWR-2KWDC	Cisco Catalyst 9600 Series 2000W DC Power Supply Module

[1] Serial Advanced Technology Attachment (SATA)
[2] Solid State Drive (SSD) Module

[3] Power supply output capacity is 1050W at 110 VAC.

Optics Modules

Cisco Catalyst Series Switches support a wide range of optics and the list of supported optics is updated on a regular basis. Use the Transceiver Module Group (TMG) Compatibility Matrix tool, or consult the tables at this URL for the latest transceiver module compatibility information: https://www.cisco.com/en/US/products/hw/modules/ps5455/products_device_support_tables_list.html