



Introduction

Cisco Catalyst 9600 Series Switches are the next generation purpose-built 40 GigabitEthernet, 50 GigabitEthernet, 100 GigabitEthernet, and 400 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 hardware and software convergence in terms of ASIC architecture with Unified Access Data Plane (UADP) 3.0 and Cisco Silicon One Q200. 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 <ul style="list-style-type: none">• 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.
SATA¹ SSD² 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
Line Cards	
C9600X-LC-32CD	Cisco Catalyst 9600 Series 30-Port QSFP28, 2-Port QSFP-DD line card. <ul style="list-style-type: none"> • C9600X-SUP-2 <ul style="list-style-type: none"> • 30 QSFP28 ports of 100G/40G • 2 QSFP-DD ports of 400G/200G/100G/40G • C9600-SUP-1 <ul style="list-style-type: none"> • Not supported
C9600-LC-40YL4CD	Cisco Catalyst 9600 Series 40-Port SFP56, 2-Port QSFP56, 2-Port QSFP-DD line card. <ul style="list-style-type: none"> • C9600X-SUP-2 <ul style="list-style-type: none"> • 40 SFP56 ports of 50G/25G/10G • 2 QSFP56 ports of 200G/100G/40G • 2 QSFP-DD ports of 400G/200G/100G/40G • C9600X-SUP-1 <ul style="list-style-type: none"> • 40 SFP28 ports of 25G/10G/1G • 2 QSFP28 ports of 100G/40G

Product ID (append with "=" for spares)	Description
C9600-LC-48YL	Cisco Catalyst 9600 Series 48-Port SFP56 line card. <ul style="list-style-type: none"> • C9600X-SUP-2 <ul style="list-style-type: none"> • 48 SFP56 ports of 50G/25G/10G • C9600X-SUP-1 <ul style="list-style-type: none"> • 48 SFP28 ports of 25G/10G/1G
C9600-LC-24C	Cisco Catalyst 9600 Series 24-Port 40G/12-Port 100G line card. <ul style="list-style-type: none"> • C9600X-SUP-2 <ul style="list-style-type: none"> • 24 QSFP28 ports of 100G/40G • C9600-SUP-1 <ul style="list-style-type: none"> • 12 ports of 100G or 24 ports of 40G
C9600-LC-48TX	Cisco Catalyst 9600 Series 48-Port MultiGigabit RJ45 line card. <ul style="list-style-type: none"> • C9600X-SUP-2 <ul style="list-style-type: none"> • 48 ports of 10G/5G/2.5G • C9600X-SUP-1 <ul style="list-style-type: none"> • 48 ports of 10G/5G/2.5G/1G and 100M/10M
C9600-LC-48S	Cisco Catalyst 9600 Series 48-Port SFP line card. <ul style="list-style-type: none"> • C9600X-SUP-2 <ul style="list-style-type: none"> • Not supported • C9600-SUP-1 <ul style="list-style-type: none"> • 48 SFP ports of 1G
AC Power Supply Modules	
C9600-PWR-2KWAC	Cisco Catalyst 9600 Series 2000W AC Power Supply Module ³
C9600-PWR-3KWAC	Cisco Catalyst 9600 Series 3000W AC Power Supply Module
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