

Feature	Cisco Catalyst 9400 Series Supervisor Engine C9400-SUP-1	Cisco Catalyst 9400 Series Supervisor Engine C9400-SUP-1XL	Cisco Catalyst 9400 Series Supervisor Engine C9400-SUP-1XL- Y	Cisco Catalyst 9400 Series Supervisor Engine C9400X-SU P-2	Cisco Catalyst 9400 Series Supervisor Engine C9400X-SU P-2XL
Cisco Catalyst C9404R chassis	80 Gbps/slot	240 Gbps/slot	240 Gbps/slot	240 Gbps/slot	480 Gbps/slot
Cisco Catalyst C9407R chassis	80 Gbps/slot	120 Gbps/slot	120 Gbps/slot	240 Gbps/slot	480 Gbps/slot
Cisco Catalyst C9410R chassis	80 Gbps/slot	80 Gbps/slot	80 Gbps/slot	240 Gbps/slot	480 Gbps/slot

Table 4 lists the minimum software requirements for the Cisco Catalyst 9400 supervisor engine.

Table 4. Cisco Catalyst Supervisor Engine Software Minimum Requirements

Chassis	Supervisor Engine	Minimum Software Requirement
Cisco C9407R	Supervisor Engine C9400-SUP-1	Cisco IOS XE Software Release 16.6.1
Cisco C9410R	Supervisor Engine C9400-SUP-1	Cisco IOS XE Software Release 16.6.1
Cisco C9407R	Supervisor Engine C9400-SUP-1XL	Cisco IOS XE Software Release 16.6.2
Cisco C9410R	Supervisor Engine C9400-SUP-1XL	Cisco IOS XE Software Release 16.6.2

Chassis	Supervisor Engine	Minimum Software Requirement
Cisco C9404R	Supervisor Engine C9400-SUP-1	Cisco IOS XE Software Release 16.9.1
Cisco C9404R	Supervisor Engine C9400-SUP-1XL	Cisco IOS XE Software Release 16.9.1
Cisco C9404R	Supervisor Engine C9400-SUP-1XL-Y	Cisco IOS XE Software Release 16.9.1
Cisco C9407R	Supervisor Engine C9400-SUP-1XL-Y	Cisco IOS XE Software Release 16.9.1
Cisco C9410R	Supervisor Engine C9400-SUP-1XL-Y	Cisco IOS XE Software Release 16.9.1
Cisco C9404R	Supervisor Engine C9400X-SUP-2	Cisco IOS XE Software Release 17.7.1
Cisco C9407R	Supervisor Engine C9400X-SUP-2	Cisco IOS XE Software Release 17.7.1
Cisco C9410R	Supervisor Engine C9400X-SUP-2	Cisco IOS XE Software Release 17.7.1

Line card options

The Catalyst 9400 Series offers the ability to mix and match a range of line cards to support numerous LAN access, server connectivity, and Small and Medium-Sized Business (SMB) or branch-office deployments. The Cisco Catalyst 9400 Series supports the line cards listed in Table 5 by part number.

Table 5. Cisco Catalyst 9400 Series line cards

Product Number	Description	Minimum Software Requirement
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Cisco Catalyst 9400 Series Line Cards

Product Number	Description	Minimum Software Requirement
C9400-LC-48U	Cisco Catalyst 9400 Series 48-Port UPOE 10/100/1000 (RJ-45)	Cisco IOS XE Software Release 16.6.1
C9400-LC-48T	Cisco Catalyst 9400 Series 48-Port 10/100/1000 (RJ-45)	Cisco IOS XE Software Release 16.6.1
C9400-LC-48UX	Cisco Catalyst 9400 Series 48Port UPOE w/ 24p mGig 24p RJ-45	Cisco IOS XE Software Release 16.6.2
C9400-LC-24XS	Cisco Catalyst 9400 Series 24-Port 10 Gigabit Ethernet (SFP+)	Cisco IOS XE Software Release 16.6.2
C9400-LC-48P	Cisco Catalyst 9400 Series 48-Port POE + 10/100/1000 (RJ-45)	Cisco IOS XE Software Release 16.8.1
C9400-LC-24S	Cisco Catalyst 9400 Series 24-Port Gigabit Ethernet (SFP)	Cisco IOS XE Software Release 16.8.1
C9400-LC-48S	Cisco Catalyst 9400 Series 48-Port Gigabit Ethernet (SFP)	Cisco IOS XE Software Release 16.8.1
C9400-LC-48H	Cisco Catalyst 9400 Series 48-Port UPOE+ 10/100/1000 (RJ-45)	Cisco IOS XE Software Release 16.12.1
C9400-LC-48HN	Cisco Catalyst 9400 Series 48-Port 5G multigigabit w/ full 90W UPOE+	Cisco IOS XE Software Release 17.5
C9400-LC-48HX	Cisco Catalyst 9400 Series 48-Port 10G multigigabit w/ full 90W UPOE+	Cisco IOS XE Software Release 17.8.1
C9400-LC-48XS	Cisco Catalyst 9400 Series 48-Port 10 Gigabit (SFP+)	Cisco IOS XE Software Release 17.8.1
C9400-LC-24XY	Cisco Catalyst 9400 Series 20-Port 25G (SFP28), 4-Port 10G (SFP+)	Cisco IOSXE Software Release 17.12.1

Product Number	Description	Minimum Software Requirement
C9400-LC-12QC	Cisco Catalyst 9400 Series 12-Port 40G (QSFP+) or 4-Port 100G (QSFP28), 4-Port 40G (QSFP+)	Cisco IOSXE Software Release 17.12.1
C9400-LC-48TX	Cisco Catalyst 9400 Series 48-Port 10G multigigabit, data only (RJ-45)	Cisco IOS XE Software Release 17.13.1

The Cisco Catalyst 9400 Series has flexible interface types and port densities that allow you to mix and match network configurations to meet the specific needs of campus networks (Table 6).

Table 6. Cisco Catalyst 9400 Series Maximum port densities

Cisco Catalyst 9400 Series Switching Modules	Cisco Catalyst C 9404R	Cisco Catalyst C 9407R	Cisco Catalyst C 9410R
10/100/1000BASE-T Gigabit (RJ-45) ports	96	240	384
10/100/1000BASE-T Gigabit (RJ-45) with POE+ ports	96	240	384
10/100/1000BASE-T Gigabit (RJ-45) with UPOE ports	96	240	384
802.3 BT Type 4 (90W) Ports	96	240	384 ¹
5G Multigigabit Ethernet ports	96	240	384
10G Multigigabit Ethernet ports	96	240	384
1 Gigabit Ethernet ports (SF P)	96	240	384
10 Gigabit Ethernet ports (SF P+)	96	240	384

Cisco Catalyst 9400 Series Switching Modules	Cisco Catalyst C 9404R	Cisco Catalyst C 9407R	Cisco Catalyst C 9410R
25 Gigabit Ethernet ports (SFP28)²	48	108	168
40 Gigabit Ethernet ports (QSFP+)²	24	60	96
100 Gigabit Ethernet ports (QSFP28)²	8	20	32

¹ With max power 260 ports can supply full 90W on all ports concurrently.

² Requires SUP-2/2XL.

Specifications

Physical specifications of Cisco Catalyst 9400 Series chassis

Table 7 lists physical specifications of the Cisco Catalyst 9400 Series chassis.

Table 7. Physical specifications of Cisco Catalyst 9400 Series chassis

Specification	C9404R	C9407R	C9410R
Dimensions (H x W x D)	10.47 x 17.30 x 16.30 in. (26.53 x 43.94 x 41.40 cm)	17.41 x 17.30 x 16.30 in. (44.22 x 43.94 x 41.40 cm)	22.61 x 17.30 x 16.30 in. (57.43 x 43.94 x 41.40 cm)
Rack Units (RU)	6 RU	10 RU	13 RU
Chassis weight (with fan tray)	39.0 lb (17.2 kg)	63.0 lb (28.58 kg)	65.0 lb (29.48 kg)
Mounting	19-in rack compatible (19-in. rack and cable guide hardware included)	19-in rack compatible (19-in. rack and cable guide hardware included)	19-in. rack compatible (19-in. rack and cable guide hardware included)