



## Cisco MDS 9000 Series Compatibility Matrix, Release 8.x

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# Preface

## Audience

This publication is for network administrators who install, configure, and maintain Cisco MDS 9000 Series Switches.

## Document Conventions

Command descriptions use these conventions:

Convention	Description
<b>bold</b>	Bold text indicates the commands and keywords that you enter literally as shown.
<i>Italic</i>	Italic text indicates arguments for which the user supplies the values.
[x]	Square brackets enclose an optional element (keyword or argument).
[x   y]	Square brackets enclosing keywords or arguments separated by a vertical bar indicate an optional choice.
{x   y}	Braces enclosing keywords or arguments separated by a vertical bar indicate a required choice.
[x {y   z}]	Nested set of square brackets or braces indicate optional or required choices within optional or required elements. Braces and a vertical bar within square brackets indicate a required choice within an optional element.
<code>variable</code>	Indicates a variable for which you supply values, in context where italics cannot be used.
<code>string</code>	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.

Examples use these conventions:

Convention	Description
<code>screen font</code>	Terminal sessions and information the switch displays are in screen font.
<b><code>boldface screen font</code></b>	Information you must enter is in boldface screen font.
<i><code>italic screen font</code></i>	Arguments for which you supply values are in italic screen font.

Convention	Description
< >	Nonprinting characters, such as passwords, are in angle brackets.
[ ]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

This document uses the following conventions:




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**Note** Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.

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**Caution** Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

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**Warning** IMPORTANT SAFETY INSTRUCTIONS

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device.

SAVE THESE INSTRUCTIONS

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## Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to [mds-docfeedback@cisco.com](mailto:mds-docfeedback@cisco.com). We appreciate your feedback.

## Related Documentation

The entire Cisco MDS 9000 Series switches documentation set is available at the following URL:

<https://www.cisco.com/c/en/us/support/storage-networking/mds-9000-nx-os-san-os-software/series.html>

Documentation Roadmap

[https://www.cisco.com/c/en/us/td/docs/storage/san\\_switches/mds9000/roadmaps/rel90.html](https://www.cisco.com/c/en/us/td/docs/storage/san_switches/mds9000/roadmaps/rel90.html)

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Revised: July 23, 2025,

# Cisco MDS 9000 Series Compatibility Matrix

This document provides compatibility information for the Cisco MDS 9000 Series Switches.

In the following “Support Matrix” tables:

- The term, “Yes” indicates the supported release versions.
- The “—” symbol indicates the unsupported release versions.

## New and Change History

**Table 1: Change History**

Date	Description
July 22, 2025	Updated the document for Releases 8.4(2d), 8.4(2e), and 8.4(2f).
May 18, 2021	Updated the document for 8.4(2c).
March 9, 2021	Updated the document for 8.5(1) and added support for Cisco MDS 9220i Switch.
November 26, 2020	Updated the document for 8.4(2b).
November 24, 2020	Removed support for Cisco MDS NX-OS Release 8.4(1) and Release 8.4(1a) from Cisco MDS 9396S and MDS 9148S switches.
October 21, 2020	Added support for SFP GLC-SX-MMD.
July 8, 2020	Updated the document to add Cisco MDS NX-OS Release 5.2(8h).
July 1, 2020	Updated the document for 8.4(2a).
June 15, 2020	Updated the document to remove Cisco MDS NX-OS Release 5.2(8i).
June 3, 2020	Updated the document for 8.4(2).
May 1, 2020	Added support for the new SFP DS-SFP-FC32G-ELW.
March 2, 2020	Updated the document for 8.4(1a).
November 4, 2019	Added <i>Determining Cisco MDS NX-OS Version Compatibility</i> section.
October 27, 2019	Added a note for the M97S3K9-8.3.1 part number.
June 20, 2019	Updated the document for 8.4(1).
December 15, 2018	Updated the document for 8.3(2).
July 13, 2018	Updated the document for 8.3(1).
March 9, 2018	Updated the document for 8.2(2).
February, 2018	Updated the document for 8.1(1a).
September 28, 2017	Updated the document for 8.2(1).

Date	Description
May 04, 2017	Updated the document for 8.1(1).

## Software Support Matrix

The following table lists the NX-OS software part numbers supported by the Cisco MDS 9000 Series.

**Table 2: Cisco MDS 9000 Series Software Support Matrix**

Software Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
M97S3K9-8.5.1	MDS 9700, NX-OS software	MDS 9700 Series	—	—	—	—	Yes
M97S3K9-8.4.2f			—	—	—	Yes	—
M97S3K9-8.4.2e			—	—	—	Yes	—
M97S3K9-8.4.2d			—	—	—	Yes	—
M97S3K9-8.4.2c			—	—	—	Yes	—
M97S3K9-8.4.2b			—	—	—	Yes	—
M97S3K9-8.4.2a			—	—	—	Yes	—
M97S3K9-8.4.2			—	—	—	Yes	—
M97S3K9-8.4.1a			—	—	—	Yes	—
M97S3K9-8.4.1			—	—	—	Yes	—
M97S3K9-8.3.2			—	—	Yes	—	—
M97S3K9-8.3.1 <sup>1</sup>			—	—	Yes	—	—
M97S3K9-8.2.2			—	Yes	—	—	—
M97S3K9-8.2.1			—	Yes	—	—	—
M97S3K9-8.1.1b			Yes	—	—	—	—
M97S3K9-8.1.1a			Yes	—	—	—	—
M97S3K9-8.1.1			Yes	—	—	—	—

Software Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
M93S2K9-8.5.1	MDS 9396T, NX-OS software	MDS 9396T Switch	—	—	—	—	Yes
M93S2K9-8.4.2f			—	—	—	Yes	—
M93S2K9-8.4.2e			—	—	—	Yes	—
M93S2K9-8.4.2d			—	—	—	Yes	—
M93S2K9-8.4.2c			—	—	—	Yes	—
M93S2K9-8.4.2b			—	—	—	Yes	—
M93S2K9-8.4.2a			—	—	—	Yes	—
M93S2K9-8.4.2			—	—	—	Yes	—
M93S2K9-8.4.1a			—	—	—	Yes	—
M93S2K9-8.4.1			—	—	—	Yes	—
M93S2K9-8.3.2			—	—	Yes	—	—
M93S2K9-8.3.1			—	—	Yes	—	—
M93S5K9-8.5.1	MDS 9396S, NX-OS software	MDS 9396S Switch	—	—	—	—	Yes
M93S5K9-8.4.2f			—	—	—	Yes	—
M93S5K9-8.4.2e			—	—	—	Yes	—
M93S5K9-8.4.2d			—	—	—	Yes	—
M93S5K9-8.4.2c			—	—	—	Yes	—
M93S5K9-8.4.2b			—	—	—	Yes	—
M93S5K9-8.4.2a			—	—	—	Yes	—
M93S5K9-8.4.2			—	—	—	Yes	—
M93S5K9-8.4.1a			—	—	—	—	—
M93S5K9-8.4.1			—	—	—	—	—
M93S5K9-8.3.2			—	—	Yes	—	—
M93S5K9-8.3.1			—	—	Yes	—	—
M93S5K9-8.2.2			—	Yes	—	—	—
M93S5K9-8.2.1			—	Yes	—	—	—
M93S5K9-8.1.1b			Yes	—	—	—	—
M93S5K9-8.1.1a			Yes	—	—	—	—
M93S5K9-8.1.1			Yes	—	—	—	—
M92S7K9-8.5.1	MDS 9220i NX-OS software	MDS 9220i Switch	—	—	—	—	Yes



Software Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
M92S5K9-8.5.1	MDS 9250i NX-OS software	MDS 9250i Switch	—	—	—	—	Yes
M92S5K9-8.4.2f			—	—	—	Yes	—
M92S5K9-8.4.2e			—	—	—	Yes	—
M92S5K9-8.4.2d			—	—	—	Yes	—
M92S5K9-8.4.2c			—	—	—	Yes	—
M92S5K9-8.4.2b			—	—	—	Yes	—
M92S5K9-8.4.2a			—	—	—	Yes	—
M92S5K9-8.4.2			—	—	—	Yes	—
M92S5K9-8.4.1a			—	—	—	Yes	—
M92S5K9-8.4.1			—	—	—	Yes	—
M92S5K9-8.3.2			—	—	Yes	—	—
M92S5K9-8.3.1			—	—	Yes	—	—
M92S5K9-8.2.2			—	Yes	—	—	—
M92S5K9-8.2.1			—	Yes	—	—	—
M92S5K9-8.1.1b			Yes	—	—	—	—
M92S5K9-8.1.1a			Yes	—	—	—	—
M92S5K9-8.1.1			Yes	—	—	—	—
M9148S6K9-8.5.1	MDS 9148T, NX-OS software	MDS 9148T Switch	—	—	—	—	Yes
M9148S6K9-8.4.2f			—	—	—	Yes	—
M9148S6K9-8.4.2e			—	—	—	Yes	—
M9148S6K9-8.4.2d			—	—	—	Yes	—
M9148S6K9-8.4.2c			—	—	—	Yes	—
M9148S6K9-8.4.2b			—	—	—	Yes	—
M9148S6K9-8.4.2a			—	—	—	Yes	—
M9148S6K9-8.4.2			—	—	—	Yes	—
M9148S6K9-8.4.1a			—	—	—	Yes	—
M9148S6K9-8.4.1			—	—	—	Yes	—
M9148S6K9-8.3.2			—	—	Yes	—	—
M9148S6K9-8.3.1			—	—	Yes	—	—

Software Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
M91S5K9-8.5.1	MDS 9148S, NX-OS software	MDS 9148S Switch	—	—	—	—	Yes
M91S5K9-8.4.2f			—	—	—	Yes	—
M91S5K9-8.4.2e			—	—	—	Yes	—
M91S5K9-8.4.2d			—	—	—	Yes	—
M91S5K9-8.4.2c			—	—	—	Yes	—
M91S5K9-8.4.2b			—	—	—	Yes	—
M91S5K9-8.4.2a			—	—	—	Yes	—
M91S5K9-8.4.2			—	—	—	Yes	—
M91S5K9-8.4.1a			—	—	—	—	—
M91S5K9-8.4.1			—	—	—	—	—
M91S5K9-8.3.2			—	—	Yes	—	—
M91S5K9-8.3.1			—	—	Yes	—	—
M91S5K9-8.2.2			—	Yes	—	—	—
M91S5K9-8.2.1			—	Yes	—	—	—
M91S5K9-8.1.1b			Yes	—	—	—	—
M91S5K9-8.1.1a			Yes	—	—	—	—
M91S5K9-8.1.1			Yes	—	—	—	—
M91S6K9-8.5.1	MDS 9132T, NX-OS software	MDS 9132T Switch	—	—	—	—	Yes
M91S6K9-8.4.2f			—	—	—	Yes	—
M91S6K9-8.4.2e			—	—	—	Yes	—
M91S6K9-8.4.2d			—	—	—	Yes	—
M91S6K9-8.4.2c			—	—	—	Yes	—
M91S6K9-8.4.2b			—	—	—	Yes	—
M91S6K9-8.4.2a			—	—	—	Yes	—
M91S6K9-8.4.2			—	—	—	Yes	—
M91S6K9-8.4.1a			—	—	—	Yes	—
M91S6K9-8.4.1			—	—	—	Yes	—
M91S6K9-8.3.2			—	—	Yes	—	—
M91S6K9-8.3.1			—	—	Yes	—	—
M91S6K9-8.2.2			—	Yes	—	—	—
M91S6K9-8.2.1			—	Yes	—	—	—

<sup>1</sup> Cisco MDS 9718 Multilayer Director Switch does not support the Cisco MDS NX-OS Release 8.3(1)

## Licenses Support Matrix

The following table lists the NX-OS licenses supported by the Cisco MDS 9000 Series.

**Table 3: Cisco MDS 9000 Series Licenses Support Matrix**

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
DCNM-SAN-M97-K9	Cisco Prime Data Center Network Manager	MDS 9700 Series	Yes	Yes	Yes	Yes	Yes
M97ENTK9	Enterprise Package for one Cisco MDS 9700 Series Multilayer Director	MDS 9700 Series	Yes	Yes	Yes	Yes	Yes
M97FIC1K9	Cisco MDS 9700 Mainframe Package license for one Cisco MDS 9700 Series Multilayer Director	MDS 9700 Series	Yes	Yes	Yes	Yes	Yes
M9300ENT1K9	Cisco MDS 9300 Series Enterprise Package	MDS 9396S Switch	Yes	Yes	Yes	Yes	Yes
M9396T-PL16	Cisco MDS 9396T 16-port On-Demand Activation license	MDS 9396T Switch	—	—	Yes	Yes	Yes
M9396S-PL12	Cisco MDS 9396S 12-port On-Demand Activation license	MDS 9396S Switch	Yes	Yes	Yes	Yes	Yes
DCNM-SAN-M93-K9	Cisco Prime Data Center Network Manager	MDS 9396S Switch	Yes	Yes	Yes	Yes	Yes
M9200ENT1K9	Cisco MDS 9200 Series Enterprise Package	MDS 9250i Switch	Yes	Yes	Yes	Yes	Yes
M9200FIC1K9	Cisco MDS 9200 Series Mainframe Package	MDS 9250i Switch	Yes	Yes	Yes	Yes	Yes
DCNM-SAN-M92-K9	Cisco Prime Data Center Network Manager	MDS 9250i Switch	Yes	Yes	Yes	Yes	Yes
M9220I-UPGK9=	Cisco MDS 9220i On-Demand Activation license	MDS 9220i Switch	—	—	—	—	Yes
M9250IIOA	Cisco MDS 9250i I/O Accelerator Services package	MDS 9250i Switch	Yes	Yes	Yes	Yes	Yes
M9200XRC	Cisco XRC Acceleration	MDS 9250i Switch	Yes <sup>2</sup>	Yes	Yes	Yes	Yes
M9250IP20-16G=	MDS 9250i 20-port Fibre Channel Upgrade License, spare	MDS 9250i Switch	Yes	Yes	Yes	Yes	Yes
DCNM-SAN-M91-K9	Cisco Prime Data Center Network Manager	MDS 9148S Switch	Yes	Yes	Yes	Yes	Yes

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
M9148T-PL8	Cisco MDS 9148T 8-port On-Demand Activation license	MDS 9148T Switch	—	—	Yes	Yes	Yes
M9148S-PL12	Cisco MDS 9148S 12-port On-Demand Activation license	MDS 9148S Switch	Yes	Yes	Yes	Yes	Yes
M9100ENT1K9	Enterprise Package for one Cisco MDS 9148S Switch	MDS 9148S Switch	Yes	Yes	Yes	Yes	Yes
M9132T-PL8	Cisco MDS 9132T 8-port On-Demand Activation	MDS 9132T Switch	—	Yes	Yes	Yes	Yes
M9100FIC1EK9	FICON license.	MDS 9100 Series	Yes	Yes	—	—	—

<sup>2</sup> Cisco XRC Acceleration License is obsoleted from Cisco MDS NX-OS Release 8.1(1a).

## Chassis Support Matrix

The following table lists the chassis support matrix for Cisco MDS 9000 Series Switches.

**Table 4: Cisco MDS 9000 Series Chassis Support Matrix**

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
DS-C9718	Cisco MDS 9718 Multilayer Director (18-slot multilayer director with 2 half-width slots for Supervisor modules, and 16 slots available for switching modules — SFPs sold separately)	MDS 9718 Switch	Yes	Yes	Yes	Yes	Yes
DS-C9710	Cisco MDS 9710 Multilayer Director (10-slot multilayer director with 2 half-width slots for Supervisor modules, and 8 slots available for switching modules — SFPs sold separately)	MDS 9710 Switch	Yes	Yes	Yes	Yes	Yes
DS-C9706	Cisco MDS 9706 Multilayer Director (6-slot multilayer director with 2 half-width slots for Supervisor modules, and 4 slots available for switching modules — SFPs sold separately)	MDS 9706 Switch	Yes	Yes	Yes	Yes	Yes
DS-C9396T-K9	Cisco MDS 9396T Fibre Channel Switch (2RU FC switch with 96 (48 active) 32-Gbps Fibre Channel ports, 2 bidirectional PSUs, and three line card extension modules)	MDS 9396T Switch	—	—	Yes	Yes	Yes

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
DSC9396SK9	Cisco MDS 9396S 96-Port Multilayer Fabric Switch (2RU fixed-configuration multilayer fabric switch with 96 16-Gbps Fibre Channel ports)	MDS 9396S Switch	Yes	Yes	Yes	Yes	Yes
DSC9220HK9	Cisco MDS 9220i Fabric Switch is a powerful and compact 1 rack unit (1RU) SAN fabric switch that provides 12 x 32 Gbps line rate Fibre Channel ports and 6 x IPS ports.	MDS 9220i Switch	—	—	—	—	Yes
DSC9250HK9	Cisco MDS 9250i offers up to forty 16-Gbps Fibre Channel ports, two 10 Gigabit Ethernet IP storage services ports, and eight 10 Gigabit Ethernet Fibre Channel over Ethernet (FCoE) ports in a fixed two-rack-unit (2RU) form factor.	MDS 9250i Switch	Yes	Yes	Yes	Yes	Yes
DSC9148TK9	Cisco MDS 9148T Fibre Channel Switch (1RU FC switch with 48 (24 active) 32-Gbps Fibre Channel ports, 1 port side intake PSU, 1 port side exhaust PSU)	MDS 9148T Switch	—	—	Yes	Yes	Yes
DSC9148SK9	Cisco MDS 9148S 48-Port Multilayer Fabric Switch (1RU fixed-configuration multilayer fabric switch with 48 16-Gbps Fibre Channel ports)	MDS 9148S Switch	Yes	Yes	Yes	Yes	Yes
DSC9132MK9	Cisco MDS 9132T Fibre Channel Switch (1RU FC switch with 32 (8 active) 32-Gbps Fibre Channel ports, 1 port side exhaust PSU, and a line card extension module)	MDS 9132T Switch	—	Yes	Yes	Yes	Yes
DSC9132MK9	Cisco MDS 9132T Fibre Channel Switch (1RU FC switch with 32 (8 active) 32-Gbps Fibre Channel ports, 1 port side intake PSU, and a line card extension module)	MDS 9132T Switch	—	Yes	Yes	Yes	Yes

## Supervisor Modules Support Matrix

The following table lists the supervisor modules supported on Cisco MDS 9000 Series Switches.

**Table 5: Cisco MDS 9000 Series Supervisor Modules Support Matrix**

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
DS-X97SF1E-K9	Cisco MDS 9700 Series Supervisor-1E Module	MDS 9718 Switch	Yes	Yes	Yes	Yes	Yes
DS-X97SF1-K9	Cisco MDS 9700 Series Supervisor-1 Module	MDS 9710 Switch MDS 9706 Switch	Yes	Yes	Yes	Yes	Yes
DS-X97SF4-K9	Cisco MDS 9700 Series Supervisor-4 Module	MDS 9718 Switch <sup>3</sup> MDS 9710 Switch MDS 9706 Switch	—	—	—	Yes	Yes

<sup>3</sup> The Cisco MDS 9700 Series Supervisor-4 Module (DS-X97-SF4-K9) is introduced for the Cisco MDS 9718 Multilayer Director starting from Cisco MDS NX-OS Release 8.4(2a).

## Switching Modules Support Matrix

The following table lists the switching modules supported on Cisco MDS 9000 Series Switches.

**Table 6: Cisco MDS 9000 Series Switching Modules Support Matrix**

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
DS-X9645-K9	Cisco MDS 9000 Series 48-Port 32-Gbps Fibre Channel Switching Module	MDS 9700 Series	Yes	Yes	Yes	Yes	Yes
DS-X9334-K9	Cisco MDS 9000 Series 24/10 SAN Extension Module	MDS 9700 Series	Yes	Yes	Yes	Yes	Yes
DS-X9240-K9	Cisco MDS 9000 Series 24-port 40-Gbps Fibre Channel over Ethernet Module with QSFP+ connectors	MDS 9700 Series	Yes	Yes	Yes	Yes	Yes
DS-X9487-K9	Cisco MDS 9000 Series 48-port 16-Gbps Fibre Channel Switching Module with SFP LC connectors	MDS 9700 Series	Yes	Yes	Yes	Yes	Yes
DS-X8840-K9	Cisco MDS 9000 Series 48-Port 10-Gigabit Fibre Channel over Ethernet (FCoE) Module with SFP LC connectors	MDS 9700 Series	Yes	Yes	Yes	Yes	Yes

## Crossbar Switching Fabric Modules Support Matrix

The following table lists the crossbar switching fabric modules supported on Cisco MDS 9000 Series Switches.

**Table 7: Cisco MDS 9000 Series Crossbar Switching Fabric Modules Support Matrix**

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
<del>DSX9718FAB1</del>	Cisco MDS 9718 Crossbar Switching Fabric 1 Module	MDS 9718 Switch	Yes	Yes	Yes	Yes	Yes
<del>DSX9710FAB1</del>	Cisco MDS 9710 Crossbar Switching Fabric 1 Module	MDS 9710 Switch	Yes	Yes	Yes	Yes	Yes
<del>DSX9706FAB1</del>	Cisco MDS 9706 Crossbar Switching Fabric 1 Module	MDS 9706 Switch	Yes	Yes	Yes	Yes	Yes
<del>DSX9710FAB3</del>	Cisco MDS 9710 Crossbar Switching Fabric 3 Module	MDS 9710 Switch	—	—	—	Yes	Yes
<del>DSX9706FAB3</del>	Cisco MDS 9706 Crossbar Switching Fabric 3 Module	MDS 9706 Switch	—	—	—	Yes	Yes

## Power Supply Units Support Matrix

The following table lists the power supply units supported on Cisco MDS 9000 Series Switches.

**Table 8: Cisco MDS 9000 Series Power Supply Units Support Matrix**

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
<del>DSCAC971KW</del>	3000W AC power supply for Cisco MDS 9700 Series	MDS 9700 Series	Yes	Yes	Yes	Yes	Yes
<del>DSCDC971KW</del>	3000W DC power supply for Cisco MDS 9700 Series	MDS 9700 Series	Yes	Yes	Yes	Yes	Yes
<del>DSCHV35KW</del>	3500W HV AC/DC power supply for Cisco MDS 9700 Series	MDS 9700 Series	Yes <sup>4</sup>	Yes	Yes	Yes	Yes
<del>DSCAC120WE</del>	1200W AC power supply	MDS 9396S Switch	Yes	Yes	Yes	Yes	Yes

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
DSCAG120W	1200W AC/DC power supply	MDS 9396S Switch	Yes	Yes	Yes	Yes	Yes
		MDS 9396T Switch	—	—	Yes	Yes	Yes
		MDS 9220i Switch	—	—	—	—	Yes
DSCAG500W	500W AC power supply	MDS 9220i Switch	—	—	—	—	Yes
DSCAG500W	500W AC power supply	MDS 9220i Switch	—	—	—	—	Yes
DSC500AC	300W AC power supply	MDS 9250i Switch	Yes	Yes	Yes	Yes	Yes
DSC48300AC	300W AC power supply	MDS 9148S Switch	Yes	Yes	Yes	Yes	Yes
DSCAG600W	650W AC power supply, port side intake	MDS 9132T Switch	—	Yes	Yes	Yes	Yes
		MDS 9148T Switch	—	—	Yes	Yes	Yes
DSCAG600W	650W AC power supply, port side exhaust	MDS 9132T Switch	—	Yes	Yes	Yes	Yes
		MDS 9148T Switch	—	—	Yes	Yes	Yes

<sup>4</sup> This power supply unit is supported starting from Cisco MDS NX-OS Release 8.1(1b).

## Fan Modules and Fan Trays Support Matrix

The following table lists the fan trays supported on Cisco MDS 9000 Series Switches.

**Table 9: Cisco MDS 9000 Series Fan Modules Support Matrix**

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
DSC9718FAN	Cisco MDS 9718 Fan tray	MDS 9718 Switch	Yes	Yes	Yes	Yes	Yes



<b>Part Number</b>	<b>Description</b>	<b>Applicable Product</b>	<b>8.1(x)</b>	<b>8.2(x)</b>	<b>8.3(x)</b>	<b>8.4(x)</b>	<b>8.5(x)</b>
DSC9710FAN	Cisco MDS 9710 Fan tray	MDS 9710 Switch	Yes	Yes	Yes	Yes	Yes
DSC9706FAN	Cisco MDS 9706 Fan tray	MDS 9706 Switch	Yes	Yes	Yes	Yes	Yes
DSC936S FAN	Cisco MDS 9396S Fan tray, port side intake	MDS 9396S Switch	Yes	Yes	Yes	Yes	Yes
DSC936T FAN	Cisco MDS 9396T Fan tray, port side intake	MDS 9396T Switch	—	—	Yes	Yes	Yes
DSC936S FAN E	Cisco MDS 9396S Fan tray, port side exhaust	MDS 9396S Switch	Yes	Yes	Yes	Yes	Yes
DSC936T FAN E	Cisco MDS 9396T Fan tray, port side exhaust	MDS 9396T Switch	—	—	Yes	Yes	Yes
DS-32S FAN I	Cisco MDS 9220i Fan tray, port side intake	MDS 9220i Switch	—	—	—	—	Yes
DS-32S FAN E	Cisco MDS 9220i Fan tray, port side exhaust	MDS 9220i Switch	—	—	—	—	Yes
DSC9250i FAN	Cisco MDS 9250i Fan tray	MDS 9250i Switch	Yes	Yes	Yes	Yes	Yes
DSC9148S FAN	Cisco MDS 9148S Fan tray	MDS 9148S Switch	Yes	Yes	Yes	Yes	Yes
DS-32S FAN I	Cisco MDS 9132T Fan tray, port side intake	MDS 9132T Switch	—	Yes	Yes	Yes	Yes
	Cisco MDS 9148T Fan tray, port side intake	MDS 9148T Switch	—	—	Yes	Yes	Yes
DS-32S FAN E	Cisco MDS 9132T Fan tray, port side exhaust	MDS 9132T Switch	—	Yes	Yes	Yes	Yes
DS-32S FAN E	Cisco MDS 9148T Fan tray, port side exhaust	MDS 9148T Switch	—	—	Yes	Yes	Yes

## Optics Support Matrix

The following table lists the optical components supported by the Cisco MDS 9000 Series.

**Table 10: Cisco MDS 9000 Series Optics Support Matrix**

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
QSFP40GB-SRBD	40/100GBASE-SRBD	MDS 9220i	—	—	—	—	Yes
QSFP40GB-LR4S	40GBASE-LR4 QSFP Module	MDS 9220i	—	—	—	—	Yes
QSFP40GB-LR4	40GBASE-LR4 QSFP+ Module	DS-X982496K9	Yes	Yes	Yes	Yes	Yes
QSFP40GB-ER4	40GBASE-ER4 QSFP+ Module	DS-X982496K9	Yes	Yes	Yes	Yes	Yes
SFP-10G-SR / DSFP-10G-SR	10GBASE-SR SFP+ Module	MDS 9220i MDS 9250i MDS 9396S DS-X9448-768K9 DS-X9848-480K9 DS-X9334-K9	Yes	Yes	Yes	Yes	Yes
QSFP40G-SR4	40GBASE-SR4 QSFP+ Module	DS-X982496K9	Yes	Yes	Yes	Yes	Yes
SFP-10G-CSR-S	10GBASE-CSR SFP+ Module	MDS 9220i	—	—	—	—	Yes
QSFP40G-CSR4	40GBASE-CSR4, QSFP+ Module	MDS 9220i DS-X982496K9	Yes	Yes	Yes	Yes	Yes
QSFP40G-SRBD	40GBASE-SR-BiDi, QSFP+ Module	DS-X982496K9	Yes	Yes	Yes	Yes	Yes
SFP-10G-LR-S	10GBASE-LR SFP+ Module	MDS 9220i	—	—	—	—	Yes
SFP-10G-LR / DSFP-10G-LR	10GBASE-LR SFP+ Module	MDS 9220i MDS 9250i MDS 9396S DS-X9448-768K9 DS-X9848-480K9 DS-X9334-K9	Yes	Yes	Yes	Yes	Yes

Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
SFP-10G-ER	10GBASE-ER SFP+ Module	MDS 9250i MDS 9396S <del>DS-X948-76-K9</del> <del>DS-X948-48-K9</del> DS-X9334-K9	Yes	Yes	Yes	Yes	Yes
<del>SFP-10G-CU-M</del>	10GBASE-CU SFP+ cable 1 meter	DS-X9334-K9 <del>DS-X948-48-K9</del> MDS 9250i	Yes	Yes	Yes	Yes	Yes
<del>SFP-10G-CU-M</del>	10GBASE-CU SFP+ cable 3 meter	DS-X9334-K9 <del>DS-X948-48-K9</del> MDS 9250i	Yes	Yes	Yes	Yes	Yes
<del>SFP-10G-CU-M</del>	10GBASE-CU SFP+ cable 5 meter	DS-X9334-K9 <del>DS-X948-48-K9</del> MDS 9250i	Yes	Yes	Yes	Yes	Yes
<del>SFP-10G-CU-M</del>	10GBASE-CU SFP+ active copper cable 7 meter	DS-X9334-K9 <del>DS-X948-48-K9</del> MDS 9250i	Yes	Yes	Yes	Yes	Yes
<del>SFP-10G-CU-M</del>	10GBASE-CU SFP+ active copper cable 10 meter	DS-X9334-K9 <del>DS-X948-48-K9</del> MDS 9250i	Yes	Yes	Yes	Yes	Yes



**Note** For the latest information about supported transceivers (SFPs), see the [Cisco MDS 9000 Series Pluggable Transceivers](#) data sheet.

## Transceivers Support Matrix

The following table lists the transceivers supported by the Cisco MDS 9000 Series.

**Table 11: Cisco MDS 9000 Series Transceivers Support Matrix**

Component	Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
LC-type fiber-optic SFP	<del>DS9K31W</del> DS9K31W	SFP+ optics (LC type) for 32-Gbps Fibre Channel for shortwave mode	<del>DS9K31W</del> MDS 9220i MDS 9132T MDS 9148T MDS 9396T	Yes	Yes	Yes	Yes	Yes
	<del>DS9K31W</del> DS9K31W	SFP+ optics (LC type) for 32-Gbps Fibre Channel for longwave mode	<del>DS9K31W</del> MDS 9220i MDS 9132T MDS 9148T MDS 9396T	Yes	Yes	Yes	Yes	Yes
	<del>DS9K31W</del> DS9K31W	SFP+ optics (LC type) for 32-Gbps Fibre channel for longwave mode; (25km reach)	<del>DS9K31W</del> MDS 9220i MDS 9132T MDS 9148T MDS 9396T	—	—	—	Yes <sup>5</sup>	Yes
	<del>DS9K31W</del> DS9K31W	SFP+ optics (LC type) for 16-Gbps Fibre Channel for shortwave mode		Yes	Yes	Yes	Yes	Yes

Component	Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
			<del>DSX0478K9</del> <del>DSX0683K9</del> <del>DSX0934K9</del> MDS 9220i MDS 9250i MDS 9148S MDS 9396S MDS 9132T MDS 9148T MDS 9396T					
	<del>DSX064W</del>	SFP+ optics (LC type) for 16-Gbps Fibre Channel for longwave mode (10km reach)	<del>DSX0478K9</del> <del>DSX0683K9</del> <del>DSX0934K9</del> MDS 9220i MDS 9250i MDS 9148S MDS 9396S MDS 9132T MDS 9148T MDS 9396T	Yes	Yes	Yes	Yes	Yes
	<del>DSX064W</del>	SFP+ optics (LC type) for 16-Gbps Fibre channel for longwave mode; (25km reach).		Yes	Yes	Yes	Yes	Yes

Component	Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
			DS-X9478-K9 DS-X9485-K9 DS-X934-K9 MDS 9220i MDS 9250i MDS 9148S MDS 9396S MDS 9132T MDS 9148T MDS 9396T					
	DS-X934-K9	SFP+ optics (LC type) for 10-Gbps Fibre Channel for shortwave mode	DS-X9478-K9 DS-X934-K9 MDS 9396S	Yes	Yes	Yes	Yes	Yes
	DS-X9478-K9	SFP+ optics (LC type) for 10-Gbps Fibre Channel for longwave mode (10km reach)	DS-X9478-K9 DS-X934-K9 MDS 9396S	Yes	Yes	Yes	Yes	Yes
	DS-X934-K9	SFP+ optics (LC type) for 2-, 4-, or 8-Gbps Fibre Channel for shortwave mode		Yes	Yes	Yes	Yes	Yes

Component	Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
			<del>DS94C01</del> <del>DS94C02</del> MDS 9220i MDS 9250i MDS 9148S MDS 9396S MDS 9132T MDS 9148T MDS 9396T					
	<del>DS94C01</del> DS94C02	SFP+ optics (LC type) for 2-, 4-, or 8-Gbps Fibre Channel for longwave mode; supports distances up to 10 km	<del>DS94C01</del> <del>DS94C02</del> MDS 9220i MDS 9250i MDS 9148S MDS 9396S MDS 9132T MDS 9148T MDS 9396T	Yes	Yes	Yes	Yes	Yes
	<del>DS94C01</del> DS94C02	SFP+ optics (LC type) for 2-, 4-, or 8-Gbps Fibre Channel for extended reach (40 km reach)		Yes	Yes	Yes	Yes	Yes

Component	Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
			DSX934K9 MDS 9220i MDS 9250i MDS 9148S MDS 9396S MDS 9132T MDS 9148T MDS 9396T					
	DSX934K9	SFP optics (LC type) for 1-Gbps Ethernet and 1- or 2-Gbps Fibre Channel for shortwave mode; not for use in 4-Gbps-capable ports	DSX934K9 MDS 9250i	Yes	Yes	Yes	Yes	Yes
	DSX934K9	SFP optics (LC type) for 1-Gbps Ethernet and 1- or 2-Gbps Fibre Channel for longwave mode; not for use in 4-Gbps-capable ports	DSX934K9 MDS 9250i	Yes	Yes	Yes	Yes	Yes
	DSX934K9	SFP (RJ-45 connector) for Gigabit Ethernet over copper	DSX934K9 MDS 9250i	Yes	Yes	Yes	Yes	Yes
	DSX934K9	SFP optics (LC type) for 1-Gbps Ethernet for shortwave mode	DSX934K9 MDS 9250i	Yes	Yes	Yes	Yes	Yes



Component	Part Number	Description	Applicable Product	8.1(x)	8.2(x)	8.3(x)	8.4(x)	8.5(x)
Cisco Coarse Wavelength-Division Multiplexing (CWDM)	<del>DS-SFP-FC32G-ELW</del>	CWDM 8-Gbps Fibre Channel SFP LC type, where product number xxxx = 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610	<del>DS-SFP-FC32G-ELW</del> <del>DS-SFP-FC32G-ELW</del> <del>DS-SFP-FC32G-ELW</del> MDS 9396S MDS 9220i MDS 9250i MDS 9148S MDS 9132T MDS 9148T MDS 9396T	Yes	Yes	Yes	Yes	Yes
Dense Wavelength-Division Multiplexing (DWDM)	<del>DWDM-FC</del>	10GBASE-DWDM SFP+	<del>DS-SFP-FC32G-ELW</del> <del>DS-SFP-FC32G-ELW</del> MDS 9250i	Yes	Yes	Yes	Yes	Yes
Optical add/drop multiplexer (OADM)	<del>ISVMDA</del>	4-channel CWDM optical add/drop multiplexer (OADM) module (Cisco CWDM 1470, 1490, 1510, or 1530 NM)	MDS 9000 Series	Yes	Yes	Yes	Yes	Yes
	<del>ISVMDA</del>	4-channel CWDM OADM module (Cisco CWDM 1550, 1570, 1590, or 1610 NM)	MDS 9000 Series	Yes	Yes	Yes	Yes	Yes
	<del>ISVMDA</del>	OADM for 8 CWDM wavelengths	MDS 9000 Series	Yes	Yes	Yes	Yes	Yes
CWDM Multiplexer Chassis	<del>ISVMDA</del>	2-slot chassis for CWDM OADMs	MDS 9000 Series	Yes	Yes	Yes	Yes	Yes

<sup>5</sup> The DS-SFP-FC32G-ELW SFP is supported from Cisco MDS NX-OS Release 8.4(2).

## Determining Cisco MDS NX-OS Version Compatibility

This section lists the software versions that are compatible in a mixed SAN environment and the minimum software versions that are supported. We suggest that you use the software release that is recommended by your vendor for all Cisco MDS 9000 Series products.

**Table 12: Software Release Compatibility for Cisco MDS NX-OS Release 8.x**

Cisco MDS NX-OS Software	Minimum MDS NX-OS
MDS NX-OS Release 8.x	MDS NX-OS Release 8.1(1) and later
	MDS NX-OS Release 7.3(0)D1(1) and later
	MDS NX-OS Release 6.2(13a) and later
	MDS NX-OS Release 5.2(8h)

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