Cisco Catalyst 8500 Series Edge Platforms

Cisco Catalyst 8500 Series Edge Platforms ordering overview

Cisco® Catalyst® 8500 Series Edge Platforms can be ordered through Cisco Commerce Workspace (CCW), along with a Cisco DNA subscription for SD-WAN and Routing deployments. This document provides a detailed overview of the Catalyst 8500 Series Edge Platforms and a step-by-step ordering process.

Nomenclature note

Catalyst 8500 Edge Platform refers to C8500-20X6C, C8500-12X4QC and C8500-12X.

Catalyst 8500L Edge Platform refers to C8500L-8S4X.

Catalyst 8500 Series Edge Platform refers to Catalyst 8500 and Catalyst 8500L Edge platforms together.

Cisco Catalyst 8500 Series Edge Platforms (Catalyst 8500 and Catalyst 8500L Edge) with Cisco IOS XE SD-WAN Software enable Cisco's secure, multi-cloud SD-WAN solution.

With the highly programmable and all-new third-generation Cisco Quantum Flow Processor, the Catalyst 8500 Series Edge Platforms are well suited for high-performance Cisco Catalyst SD-WAN.

Catalyst 8500 Series offer overview

The Catalyst 8500 Series Edge Platforms consists of two parts: Catalyst 8500 Series edge hardware platform and a Cisco DNA subscription (see Figure 5).

Hardware overview

The Cisco Catalyst 8500 Series Edge Platforms are Cisco's enterprise routing platforms built for secure, agile environments. The platforms are optimized for multi-cloud deployment to cater to the needs of a constantly evolving business environment. The Catalyst 8500 Series Edge Platforms provide integrated network security with reliable performance as well as visibility and assurance.

The C8500-20X6C platform (Figure 1) allows all ports to be enabled simultaneously (oversubscribed). It offers:

- 20x 1/10GE ports

- 6x 40/100GE ports

Figure 1.   C8500-20X6C platform

The C8500-12X4QC platform allows for a maximum of 240GE ports to be enabled simultaneously. It offers:

- 12x 1/10GE ports   · 2x 40GE ports   · 2x 40/100GE ports

Figure 2.   C8500-12X4QC platform

The C8500-12X platform offers 12x 1/10GE ports.

Figure 3.   C8500-12X platform

The C8500L-8S4X platform offers 8x 1GE ports, 4x 1/10GE ports.

Figure 4.   C8500L-8S4X platform

Table 1 highlights the Catalyst 8500 Series Edge Platform models and maximum number of ports in each model.

Table 1.   Cisco Catalyst 8500 Series Edge Platforms ports

Model	Description	Ports	Max 1GE ports	Max 10GE ports	Max 40GE ports	Max 100GE ports
C8500-20X6C**	Cisco C8500-20X6C Edge Platform	20-port 1/10GE 6-ports 40/100GE	20	20	6	6
C8500-12X4QC*	Cisco C8500-12X4QC Edge Platform	12-port 1/10GE 2-port 40/100GE 2-port 40GE	12	12	4	2
C8500-12X	Cisco C8500-12X Edge Platform	12-port 1/10GE	12	12		
C8500L-8S4X	Cisco C8500L-8S4X Edge Platform	8-port 1GE 4-port 1/10GE	12	4		

*Up to 240GE of ports can be enabled simultaneously

**Up to 800GE of ports can be enabled simultaneously

Cisco DNA Subscription for the Catalyst 8500 Series edge Platforms

A Cisco DNA subscription is required for the Catalyst 8500 Series Edge Platforms. The Cisco DNA subscription is orderable through this SKU: L-DNA-C8500.

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Options for Ordering Cisco Catalyst 8500 Series Edge Platforms with Cisco DNA Subscriptions

There are two ways to order Cisco Catalyst 8500 Series Edge Platforms in Cisco Commerce Workspace (CCW).

Option 1: This is the easiest and the recommended way to order the Cisco Catalyst 8500 Series Edge Platforms. Order the Cisco DNA subscription along with hardware through the respective top-level platform SKUs mentioned in Table 1. Upon ordering the Cisco DNA subscription along with the hardware, the subscription start-date will sync with the hardware shipment date, or you may select up to a 90 day offset.
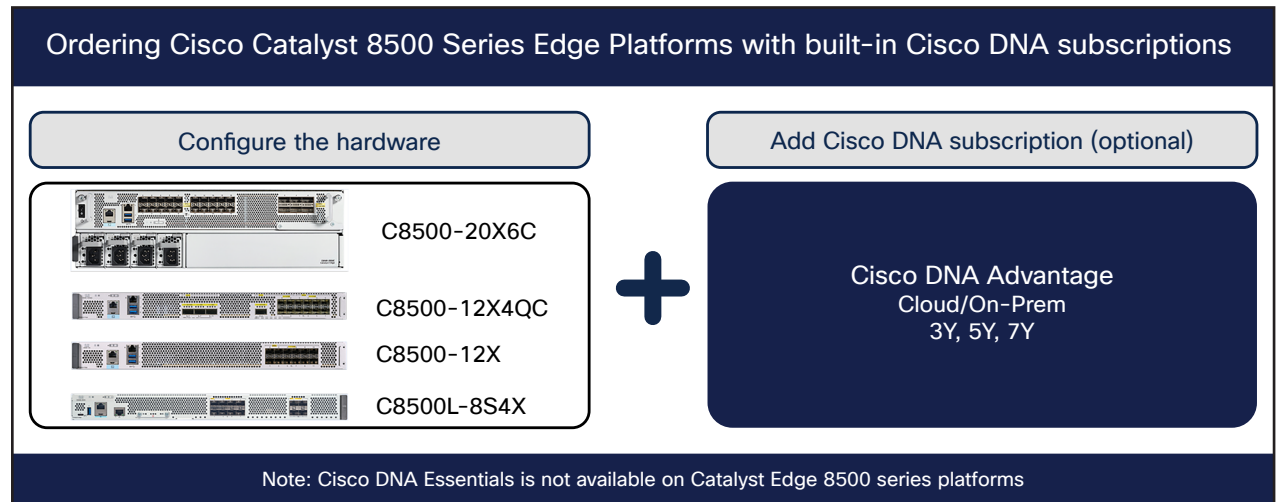
Figure 5.   Overview of ordering Cisco DNA subscriptions along with hardware

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Option 2: Order both the hardware and Cisco DNA subscription separately. Order Cisco Catalyst 8500 Edge Platform hardware through respective Platform SKUs (Table 1) and subscription licenses through L-DNA-C8500. The Cisco DNA subscriptions ordered separately from hardware can have a maximum of 90 days offset for delaying the subscription start-date.
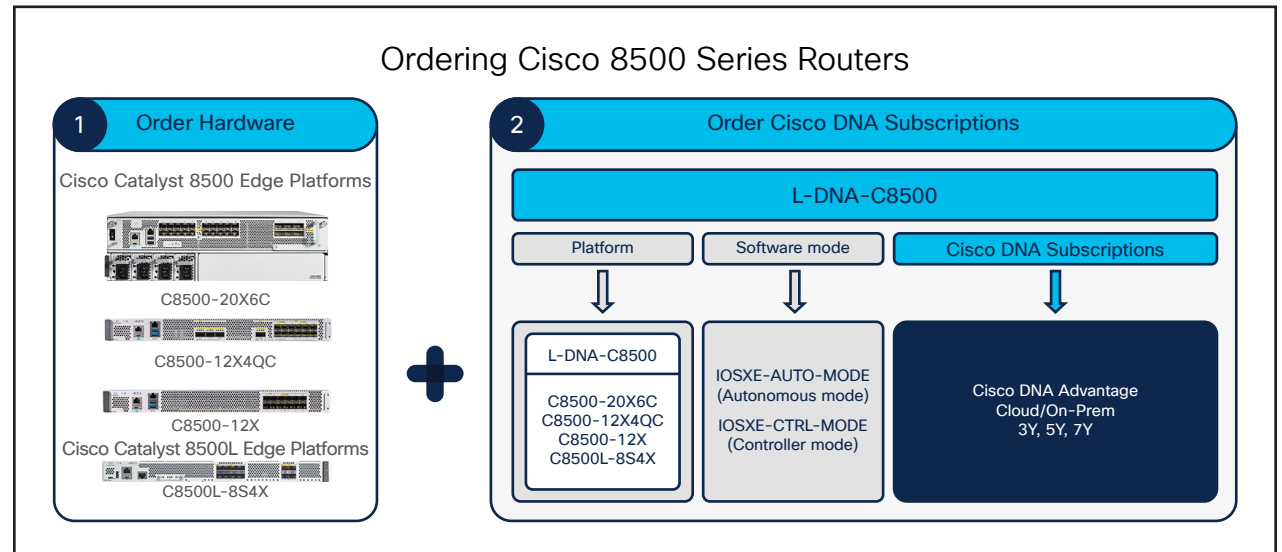
Figure 6.   Overview of ordering hardware and subscription separately

Option 1: Order Cisco DNA Subscription Along with Hardware System

1. Select the hardware platform

The Cisco Catalyst 8500 Series Edge Platforms consist of four variants (mentioned in Table 1). These platforms differ in front-panel port density and port speed. Use the following guidelines to configure your Catalyst 8500 Series Edge platforms.

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Table 2 includes the mandatory selections and Table 3 includes the optional selections.

Table 2.   Mandatory selections when ordering hardware SKU

Steps	Mandatory selection	Options
1	Software image	Cisco IOS® XE unified image (e.g., SC8KAEPUK9-173)
2	Software mode	IOSXE-CTRL-MODE IOSXE-AUTO-MODE
3	Power supply and power cables	AC or DC power supply

Table 3.   Optional selections when ordering hardware SKU (exception is the C8500-20X6C)

Steps	Optional selections	Options
1	*Memory	16 GB (default), 32 GB, 64 GB
2	*Storage	Catalyst 8500 Edge Platform – SSD: 480-GB, USB: 8 GB
		Catalyst 8500L Edge Platform – SSD: 2TB, USB: 16 GB (Default), 32 GB
3	*Rack-mount accessory kit	19-inch mounting kit (default), 23-inch mounting kit, or 4-post mounting kit
4	NEBS Level 3 Air Filter	Filter Assembly and Spare Filters (supported on C8500-20X6C only)

*C8500-20X6C integrates the 64 GB default memory and 480 GB SSD default storage, including the rack-mount (19") accessory kit as part of the C8500-20X6C hardware. The 23-inch rack mount Is not offered on the C8500-20X6C and recommended as a 3rd party purchase. A 4-post rack-mount kit is also not offered since the 19" rack-mount kit accommodates a 4-post install. There are no additional options or upgrades for these items. These are not reflected in CCW as separate items or in the Bill of Material (BOM), but already included in the chassis hardware.

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2. Select the software image

Cisco Catalyst 8500 Series Edge Platforms include a Cisco unified IOS® XE Software image, which supports Cisco IOS XE–based traditional deployments and IOS XE SD-WAN deployments in a single image.

Table 4.   Minimum Cisco IOS XE Release and Cisco Catalyst SD-WAN Manager Release to support Cisco Catalyst SD-WAN

Applicable Platform	Minimum Cisco IOS XE Release supported	Minimum Cisco Catalyst SD-WAN Manager Release to support Cisco Catalyst SD-WAN
C8500-20X6C	17.10.1	20.10.1
C8500-12X and C8500-12X4QC	17.3.2	20.3.2
C8500L-8S4X	17.4.1a	20.4.1

SKU nomenclature

Figure 6 and Figure 7 display the software SKU nomenclature, which can help you understand what to order based on your requirements.

SC8KAEPUK9-173

Software for Catalyst 8500 Edge Platforms

Cisco IOS XE Unified Version number

U – Cisco IOS XE UNIFIED Image
NE – Cisco IOS XE Image with No Payload Encryption
UNL – Cisco IOS XE UNIFIED Image with No Lawful Intercept
NEL – Cisco IOS XE Image with No Payload Encryption and No Lawful Intercept
K9 – Products that use Encryption for Management
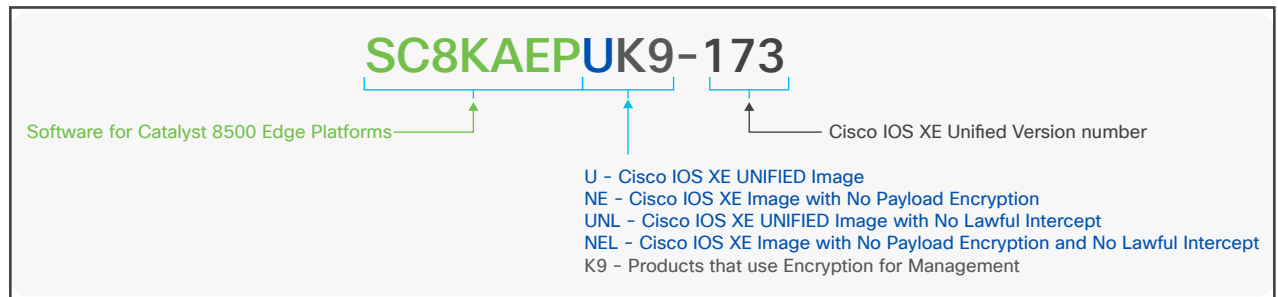
Figure 7.   Catalyst 8500 Edge Platforms software SKU nomenclature

Contents
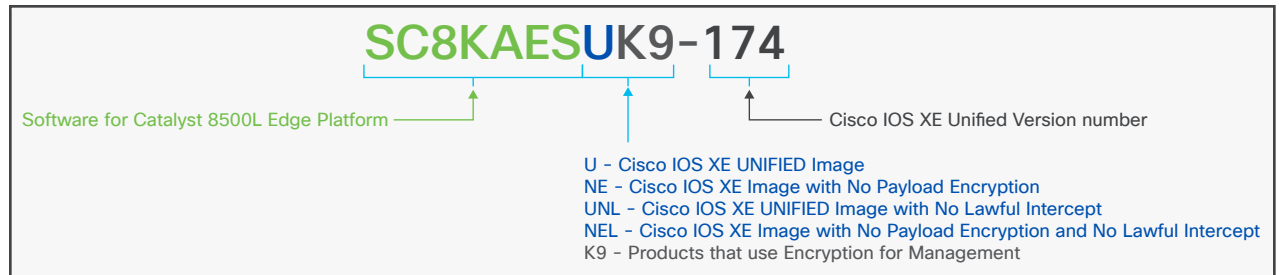
Figure 8.   Catalyst 8500L Edge Platform software SKU nomenclature

Unified Cisco image (U): A single Cisco IOS XE unified image that encompassing all functions of IOS XE SD-WAN or IOS XE is delivered based on the mode selected at the time of platform ordering.

No-payload Encryptions image (NE): A non-payload encryption image is represented by NE. The image does not offer Cisco Catalyst SD-WAN functionality.

Unified No-Lawful-intercept image (UNL): This image offers no-lawful-intercept capabilities in a unified image. The image does not offer Cisco Catalyst SD-WAN functionality.

No-payload Encryptions image and no-lawful intercept (NEL): This image offers no payload encryption and no-lawful-intercept capability. The image does not offer Cisco Catalyst SD-WAN functionality.

Figure 9.   Sample software image ordering screenshot in CCW

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3. Select the software mode

The Cisco unified IOS XE image now supports two modes in a single binary image. They include:

- **Autonomous mode** – This mode is for routing (IOS XE) deployments.

- **Controller mode** – This mode is for Cisco Catalyst SD-WAN (IOS XE SD-WAN) deployments managed by a Cisco Catalyst SD-WAN Manager controller.

You can choose to switch between the modes at any point in the network based on your deployment needs. However, at the time of ordering, the default mode will be set to autonomous mode. You will need to select controller mode if that is your preference. Figure 9 provides a screenshot of CCW when ordering a software mode for your Catalyst 8500 Series Edge platform.

Figure 10. Sample software mode ordering screenshot in CCW

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Table 5 outlines the part numbers and their descriptions when selecting a software mode.

Table 5.   Part numbers for selecting the Cisco IOS-XE unified software mode

Part number	Description
IOSXE-AUTO-MODE	Cisco IOS XE Autonomous Mode (default mode)
IOSXE-CTRL-MODE	Cisco IOS XE Controller Mode

Note: For more information on the Cisco unified image and the boot modes, refer to: https://
community.cisco.com/t5/networking-blogs/ios-xe-17-2-1r-single-again-and-ready-to-mingle/
ba-p/4072955.

4. Select the power supply and power cables

Power supply selection is a mandatory selection. Catalyst 8500 Series Edge platforms offer two
variants of power supplies: AC and DC. The customer should select the appropriate power supply.
Cisco Catalyst 8500 Series Edge Platforms ship with two (redundant) power supplies and three (n+1)
with the C8500-20X6C with the 4th power supply optional. Power cable selection is a mandatory
selection for the AC power supply.
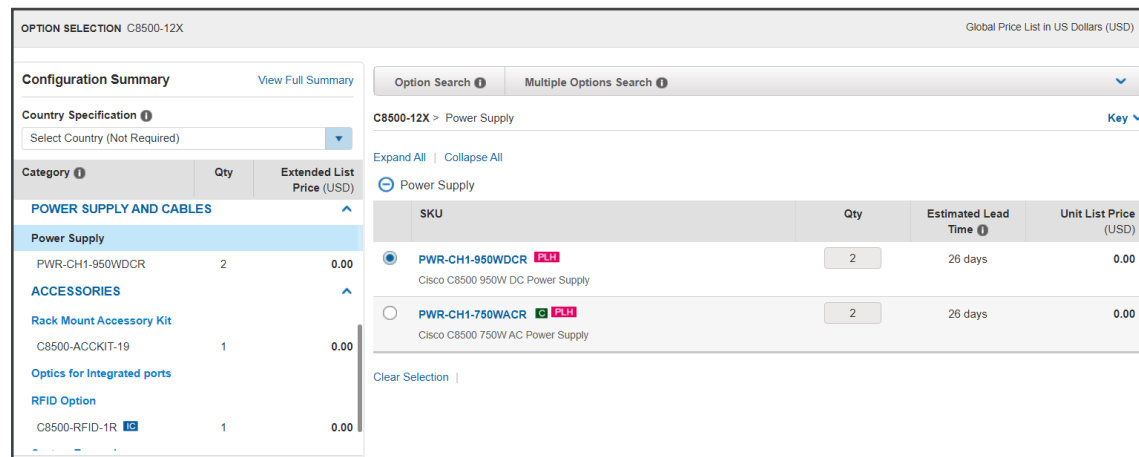
Figure 11. Sample screenshot of power supply selection in CCW

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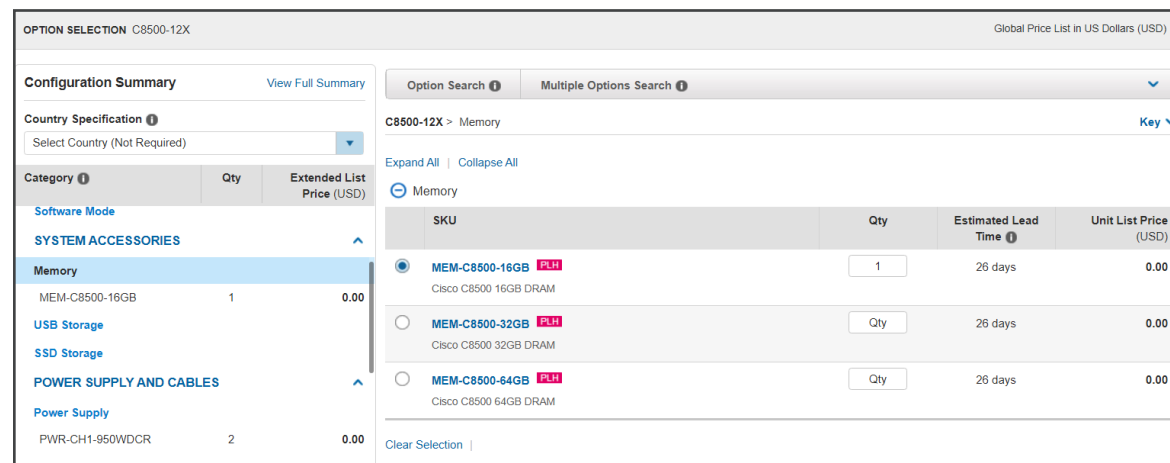
5. Select the memory, SSD, and USB storage

- Catalyst 8500 Series Edge Platforms offer 16 GB, 32 GB and 64 GB memory options. The default memory selection is 16 GB but can be upgraded to 32 GB and 64 GB for higher scale. The Catalyst 8500-20X6C has integrated default memory of 64 GB and no additional memory options or upgrades available (Figure 13).

- Optionally, Catalyst 8500 Edge Platforms offer 480 GB M2 SATA SSD and 8 GB USB. The C8500-20X6C Edge Platform ships with integrated default storage of 480 GB M2 SATA SSD and no upgrade options or USB.

- Catalyst 8500L Edge Platform ships with a default of 16 GB M.2 USB storage, with an option to upgrade to 32 GB or 2TB.

Figure 12. Sample screenshot of memory selection in CCW
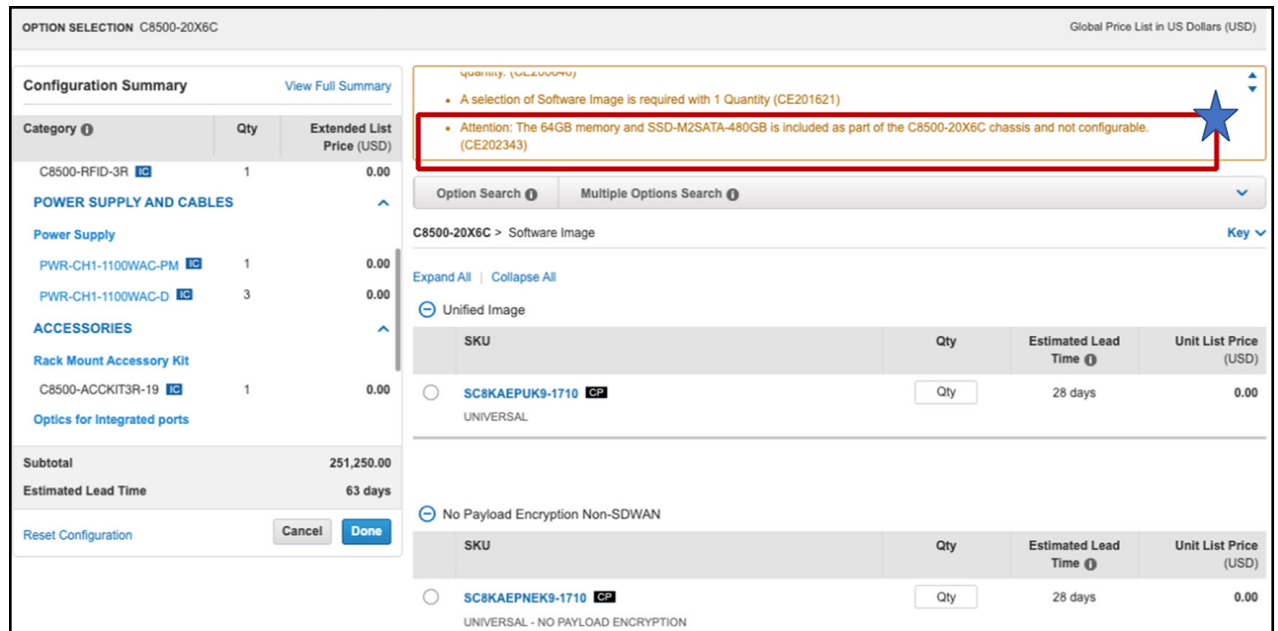
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Figure 13. Sample screenshot – 64GB Memory and 480 GB M2 SATA SSD storage are **not listed** in CCW selection for the C8500-20X6C. The Memory (MEM-C8500-64GB-D) and SSD Storage (SSD-M2SATA-480G-D) are part of the integrated default hardware chassis configuration and already included in the C8500-20X6C hardware. These do not show up in the CCW or on the Bill of Material (BOM) but are already included by default.

Contents
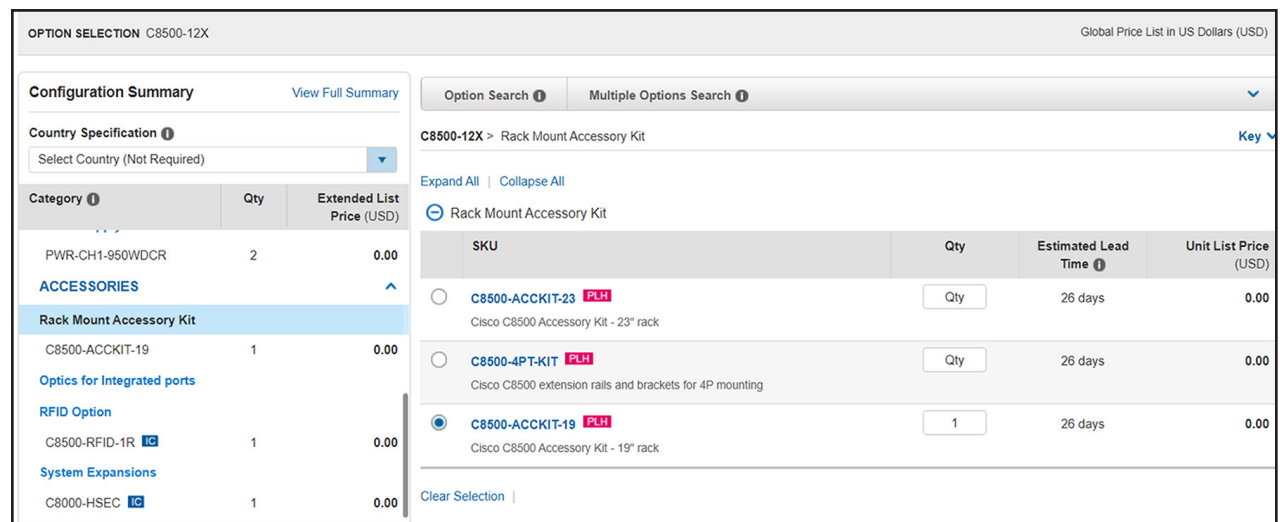
6. Select a rack-mount accessory kit

Cisco Catalyst 8500 Series Edge Platforms have rack-mounting options for a 19-inch rack mount, 23-inch rack mount, or 4-post rack mount. The 23-inch rack mount Is not offered on the C8500-20X6C and recommended as a 3rd party purchase*. C8500-ACCKIT3R-19 includes a 19" rack mount and 4-post rack mount.

Figure 14. Sample screenshot of rack-mount selection in CCW

* For information on the adapters needed for 23 in. racks, contact the Newton Instrument Company or other 3rd party supplier: http://www.enewton.com
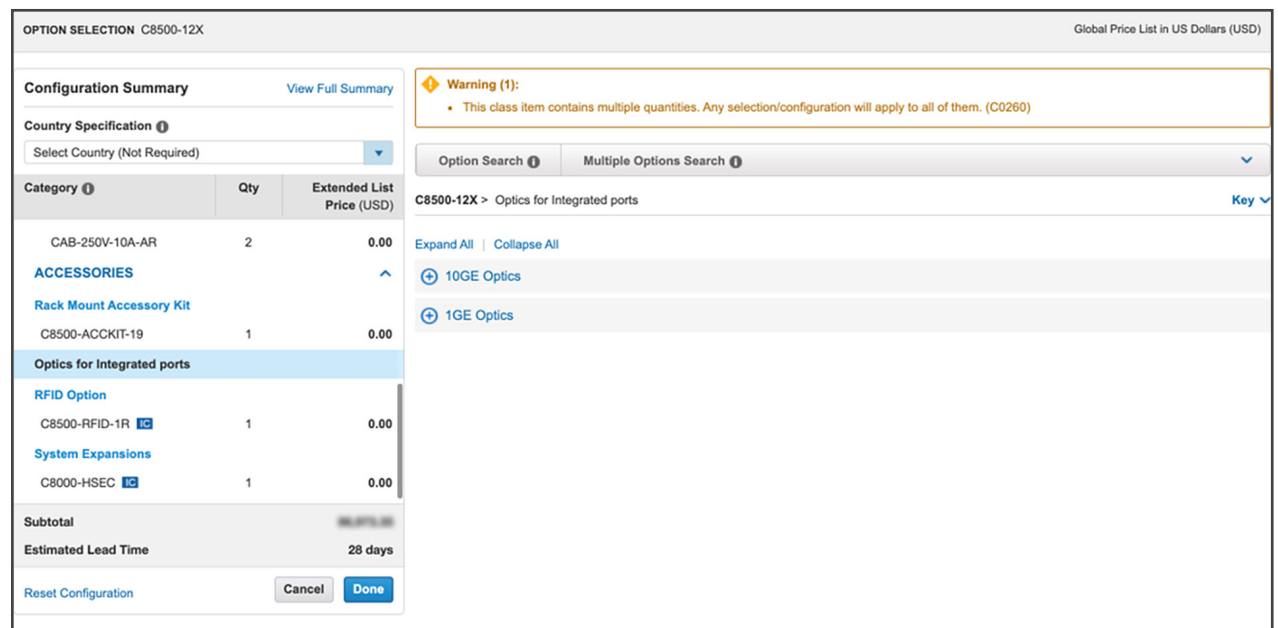111 East A Street, Butner NC, USA, 27509
919 575-6426

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7. Select optics for integrated ports

For integrated ports, please select optics from the available 1GE/10GE/40GE/100GE options based on the platform selected and as per your requirement.

- C8500-12X and C8500L-8S4X have options to select 1GE/10GE optics.

- C8500-20X6C and C8500-12X4QC have options to select 1GE/10GE/40GE/100GE optics.

A full list of optics and transceivers is available at: **https://tmgmatrix.cisco.com/?si=C8500**

Figure 15. Sample screenshot of optics selection in CCW

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8. Ordering Cisco DNA subscription (optional)

Under the Subscriptions section of the Hardware Platform SKU, select the required Cisco DNA subscription part number (e.g. DNA-A-T3-P-3Y). For the C8500-20X6C only Cisco DNA Advantage Tier 4 and Tier 5 is offered (Figure 17).

Figure 16. Cisco DNA subscription selection under Hardware Platform in CCW

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Figure 17. Cisco DNA T4 and T5 subscription selection under Hardware Platform in CCW.

Crypto export control license (HSEC license)

As per U.S government regulations and export restrictions, for a product to have full crypto functionality, a mandatory High Security (HSEC) license needs to be enforced. Without a HSEC license, only 1000 secure tunnels and a unidirectional crypto throughput of up to 250 Mbps is available.

Catalyst 8500 Series Edge Platforms support Tier-2 and above throughput (refer Table 8), hence HSEC license "C8000-HSEC" is provided by default along with the hardware platform. HSEC licenses are tied to the chassis serial number and is an enforced license on the device.

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Option 2: Order Hardware and Cisco DNA Subscription Separately

1. Order the hardware system

To order hardware platform, follow all the steps mentioned in Option 1, except selection of the Cisco DNA subscription (step 8).

2. Order Cisco DNA subscriptions

Catalyst 8500 Series Edge Platforms require a mandatory Cisco DNA subscription license attach. Cisco DNA subscription licenses are common across Cisco Catalyst SD-WAN and traditional routing deployments, giving customers flexibility to consume the latest technology. Ordering a subscription requires a Smart Account/Virtual Account (SA/VA).

Cisco DNA for SD-WAN and Routing subscription licenses include embedded SWSS support. This service provides coverage ONLY for the subscription functionality (Cisco Catalyst SD-WAN Manager, Cisco Catalyst SD-WAN Analytics, Cisco Catalyst SD-WAN Validator, Cisco Catalyst SD-WAN Controller, Cisco Umbrella SIG Essentials, etc.) enabled by the Cisco DNA Subscription (Cisco DNA Essentials and Advantage). These services DO NOT cover the Network Stack.

Use the part number included in Table 6 to order subscription licenses for all of Catalyst 8500 Series Edge platforms.

Table 6.   Cisco DNA Subscription SKU for Catalyst 8500 Series Edge Platforms

Part number	Description
L-DNA-C8500	Cisco DNA subscriptions for Catalyst 8500 Series Edge Platforms

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Ordering the Cisco DNA subscription license using L-DNA-C8500 can be completed in three simple steps:

2a. Make the platform selection

2b. Select the software mode (the management type- autonomous or controller; refer to Table 5)

2c. Select the Cisco DNA subscription part number (e.g. DNA-P-T3-P-5Y)

2a. Platform selection

Enter L-DNA-C8500 in CCW and choose the platform.

Figure 18. Sample screenshot platform selection for the Cisco DNA Subscription.

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2b. Select the software mode (management mode)

Select the software mode based on your deployment scenario: Cisco Catalyst SD-WAN or traditional routing.
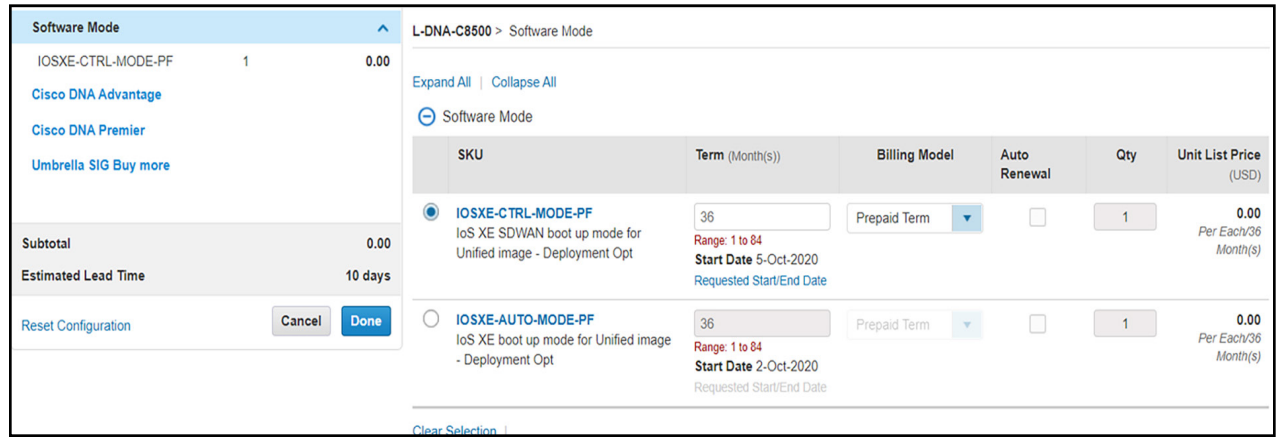
Figure 19. Sample screenshot of the software mode for the Cisco DNA tier licenses

2c. Select the Cisco DNA subscription SKU

Select the Cisco DNA Subscription type. This would include whether it's cloud or on-premises, the bandwidth tier, and the subscription term.
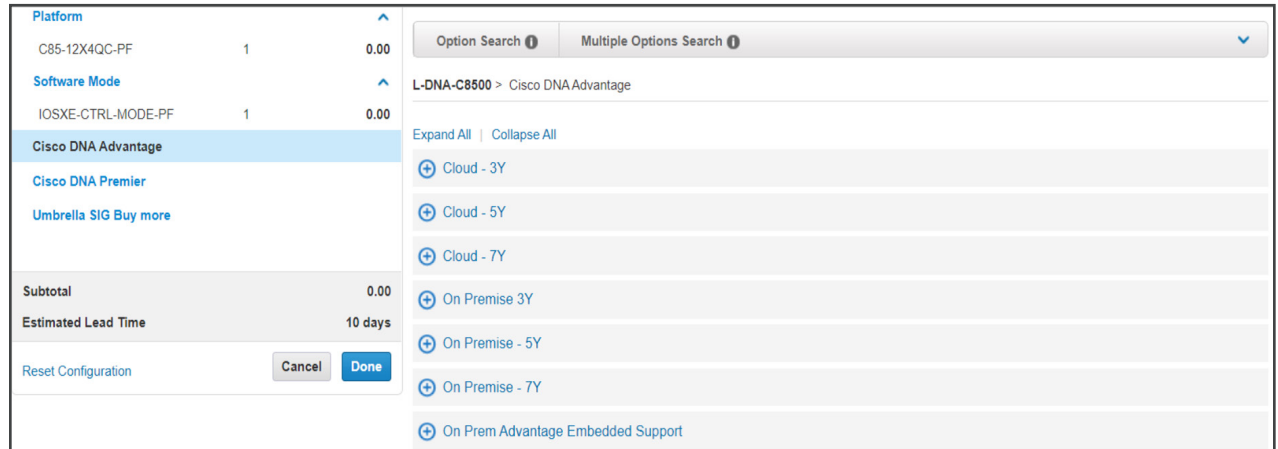
Figure 20. Sample screenshot of selecting the Cisco DNA tier licenses

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Figure 21 details the applicable subscription tiers for the Catalyst 8500 Series Platforms.

Platforms	T2 (up to 2G Agg.)	T3 (up to 20G Agg.)	T4 (up to 50G Agg.)	T5 (up to 100G Agg.)
C8500L-8S4X	✔	✔		
C8500-12X C8500-12X4QC		✔		
C8500-20X6C			✔	✔
✔ Advantage				

Figure 21. Cisco DNA subscription applicability matrix for Catalyst 8500 Series Platforms

Note: Tier 5 provides the max platform throughput for the C8500-20X6C.

Note: Tier 4 provides up to 50 Gbps aggregate throughput for the C8500-20X6C.

Note: Tier 3 provides the max platform throughput for C8500L-8S4X, C8500-12X, and C8500-12X4QC.

Note: Tier 2 provides up to 2 Gbps aggregate throughput for C8500L-8S4X.

Note: For more information on feature packages and the type of traffic that is counted towards the bandwidth tiers, please refer to the Cisco DNA subscription FAQ: **https://www.cisco.com/c/en/us/products/collateral/software/one-wan-subscription/nb-06-dna-sw-rout-sub-faq-ctp-en.html**

Table 7. Cisco DNA Subscription SKUs applicable to the Catalyst 8500 Series Edge Platforms

Platform	Subscription Tier	Tier 2 Up to 2G Agg.	Tier 3 Up to 20G Agg.	Tier 4 Up to 50G Agg.	Tier 5 Up to 100G Agg.	Term
C8500-20X6C	Cisco DNA Advantage	N/A	N/A	DNA-C-T4-A-3Y* DNA-C-T4-A-5Y* DNA-C-T4-A-7Y* DNA-P-T4-A-3Y* DNA-P-T4-A-5Y* DNA-P-T4-A-7Y*	DNA-C-T5-A-3Y* DNA-C-T5-A-5Y* DNA-C-T5-A-7Y* DNA-P-T5-A-3Y* DNA-P-T5-A-5Y* DNA-P-T5-A-7Y*	3Y, 5Y, 7Y
C8500-12X4QC, C8500-12X	Cisco DNA Advantage	N/A	DNA-C-T3-A-3Y* DNA-C-T3-A-5Y* DNA-C-T3-A-7Y* DNA-P-T3-A-3Y* DNA-P-T3-A-5Y* DNA-P-T3-A-7Y*	N/A	N/A	3Y, 5Y, 7Y
C8500L-8S4X	Cisco DNA Advantage	DNA-C-T2-A-3Y* DNA-C-T2-A-5Y* DNA-C-T2-A-7Y* DNA-P-T2-A-3Y* DNA-P-T2-A-5Y* DNA-P-T2-A-7Y*	DNA-C-T3-A-3Y* DNA-C-T3-A-5Y* DNA-C-T3-A-7Y* DNA-P-T3-A-3Y* DNA-P-T3-A-5Y* DNA-P-T3-A-7Y*	N/A	N/A	3Y, 5Y, 7Y

*Nomenclature

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Cisco DNA – Management – Tier – Package – Term

P = On-prem
C = Cloud

T0 = Tier 0
T1 = Tier 1
T2 = Tier 2
T3 = Tier 3
T4 = Tier 4
T5 = Tier 5

A = Advantage

3Y = 3 Year
5Y = 5 Year
7Y = 7 Year

Figure 22. How to read the Cisco DNA subscription tier SKU

Default accessories shipped with the platform

Along with the hardware platform, the Cisco Catalyst 8500 Series Edge Platform also ships with the components and accessories outlined in Table 8 and Table 9.

Table 8.   Default accessories shipped with Catalyst 8500L Edge Platform

Default accessories part numbers	Description	Optional accessories part numbers	Spare accessories part numbers
C8000-HSEC	U.S. Export Restriction Compliance license for Catalyst 8000 series	N/A	N/A
C-RFID-1R	Cisco Catalyst 8000 Edge RFID - 1RU	C-RFID-NONE (to opt out)	N/A

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Default accessories part numbers	Description	Optional accessories part numbers	Spare accessories part numbers
C8500L-RM-19-1R	Cisco Catalyst 8500L Rack mount kit - 19" 1R	C8500L-4PT-KIT C8500L-RM-23-1R	C8500L-RM-19-1R= C8500L-4PT-KIT= C8500L-RM-23-1R=
MEM-C8500L-16GB	Cisco C8500L 16GB DRAM	MEM-C8500L-32GB MEM-C8500L-64GB	MEM-C8500L-16GB= MEM-C8500L-32GB= MEM-C8500L-64GB=
M2USB-16G	Cisco Catalyst 8000 Edge M.2 USB 16GB	M2USB-32G	M2USB-16G=, M2USB-32G=

Table 9.   Default accessories shipped with Catalyst 8500-12X and 8500-12X4QC Edge Platforms

Default accessories part numbers	Description	Optional accessories part numbers	Spare accessories part numbers
C8000-HSEC	U.S. Export Restriction Compliance license for Catalyst 8000 series	N/A	N/A

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Default accessories part numbers	Description	Optional accessories part numbers	Spare accessories part numbers
C8500-RFID-1R	Cisco C8500 RFID – 1RU	C-RFID-NONE	N/A
C8500-CCKIT3R-19	Cisco C8500 Accessory Kit – 19" rack	C8500-4PT-KIT C8500-ACCKIT-23	C8500-ACCKIT-19= C8500-4PT-KIT= C8500-ACCKIT-23=
MEM-C8500-16GB	Cisco C8500 16GB DRAM	MEM-C8500-32GB MEM-C8500-64GB	MEM-C8500-16GB= MEM-C8500-32GB= MEM-C8500-64GB=

Table 10. Default accessories shipped with Catalyst 8500-20X6C Edge Platform

Default accessories part numbers	Description	Optional accessories part numbers	Spare accessories part numbers
C8000-HSEC	U.S. Export Restriction Compliance license for Catalyst 8000 series	N/A	N/A

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Default accessories part numbers	Description	Optional accessories part numbers	Spare accessories part numbers
C8500-RFID-3R	Cisco C8500 RFID – 3RU	C-RFID-NONE	N/A
C8500-CCKIT3R-19	Cisco C8500 Accessory Kit – 19" rack	N/A	C8500-ACCKIT3R-19=

*The C8500-20X6C 64GB memory and SDD 480G storage are non-orderable and non-field replaceable. Both are included in the chassis and do not appear in CCW configuration for ordering or on Bill of Material (BOM).

Table 11, 12 and Table 13 detail the Catalyst 8500 Series Edge Platforms product part numbers and their descriptions.

Table 11.   Product part numbers and software images for Catalyst 8500-20X6C Edge Platform

Product part number	Description
Unified software images	
SC8KAEPUK9-1710	Cisco Catalyst 8500 Unified Image (IOS XE 17.10)
Unified with no-lawful-intercept software image	
SC8KAEPUNLK9-1710	Cisco Catalyst 8500 Unified Image with No Lawful Intercept (IOS XE 17.10)
Non-payload-encryption software images	
SC8KAEPNEK9-1710	Cisco Catalyst 8500 Non-Pay load Encryptions Image (IOS XE 17.10)

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Product part number	Description
Non-payload with no-lawful-intercept software images	
SC8KAEPNELK9-1710	Cisco Catalyst 8500 Non-Pay load Encryptions Image with No Lawful Intercept (IOS XE 17.10)
Rack-mount kit and RJ console adapter	
C8500-ACCKIT3R-19(=)	Cisco 8500-20X6C Accessory Kit – 19", Spare
Power supply	
PWR-CH1-1100WAC-D	Cisco C8500 750W AC Power
PWR-CH1-1100WAC=	Cisco C8500 950W DC Power, Spare
PWR-CH1-950WDC-D	Cisco C8500 950W DC Power
PWR-CH1-950WDC=	Cisco C8500 950W DC Power, Spare
Fan Tray Spare	
C8500-FAN-3R=	Cisco C8500 Fan Tray, 3RU, Spare
RFID Option	
C8500-RFID-3R	Cisco C8500 RFID – 3RU
C-RFID-NONE	Cisco Catalyst 8000 Edge – NO RFID
NEBS Level 3 Air Filter	
C8500-FILTER-ASSY	NEBs Level 3 Filter Assembly with Filter
C8500-FILTER-ASSY=	NEBs Level 3 Filter Assembly with Filter, Spare
C8500-NEB3-FILTER=	NEBs Level 3 Replacement Filters 2 Pack, Spare

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Table 12. Product part numbers and software images for Catalyst 8500 Edge 8500L-8S4X, 8500-12X, and 8500-12X4QC Platforms

Product part number	Description
Unified software images	
SC8KAEPUK9-173	Cisco Catalyst 8500 Unified Image (IOS XE 17.3)
SC8KAEPUK9-174	Cisco Catalyst 8500 Unified Image (IOS XE 17.4)
Unified with no-lawful-intercept software image	
SC8KAEPUNLK9-173	Cisco Catalyst 8500 Unified Image with No Lawful Intercept (IOS XE 17.3)
SC8KAEPUNLK9-174	Cisco Catalyst 8500 Unified Image with No Lawful Intercept (IOS XE 17.4)
Non-payload-encryption software images	
SC8KAEPNEK9-173	Cisco Catalyst 8500 Non-Pay load Encryptions Image (IOS XE 17.3)
SC8KAEPNEK9-174	Cisco Catalyst 8500 Non-Pay load Encryptions Image (IOS XE 17.4)
Non-payload with no-lawful-intercept software images	
SC8KAEPNELK9-173	Cisco Catalyst 8500 Non-Pay load Encryptions Image with No Lawful Intercept (IOS XE 17.3)
SC8KAEPNELK9-174	Cisco Catalyst 8500 Non-Pay load Encryptions Image with No Lawful Intercept (IOS XE 17.4)
Rack-mount kit and RJ console adapter	
C8500-ACCKIT-19(=)	Cisco C8500 Accessory Kit – 19", Spare
C8500-ACCKIT-23(=)	Cisco C8500 Accessory Kit – 23", Spare
C8500-4PT-KIT(=)	Cisco C8500 Accessory Kit – 4 Post Kit, Spare

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Product part number	Description
Power supply	
PWR-CH1-750WACR(=)	Cisco C8500 750W AC Power, Spare
PWR-CH1-950WDCR(=)	Cisco C8500 950W DC Power, Spare
Memory	
MEM-C8500-16GB(=)	Cisco C8500 16GB Memory, Spare
MEM-C8500-32GB(=)	Cisco C8500 32GB Memory, Spare
MEM-C8500-64GB(=)	Cisco C8500 64GB Memory, Spare
SSD Storage	
SSD-M2SATA-480G(=)	Cisco C8500 SSD M.2 SATA 480GB, Spare
Fan Tray Spare	
C8500-FAN-1R=	Cisco C8500 Fan Tray, 1RU, Spare
RFID Option	
C8500-RFID-1R	Cisco C8500 RFID - 1RU
C-RFID-NONE	Cisco Catalyst 8000 Edge - NO RFID
USB Storage	
MEMUSB-8GB	8GB USB Flash Token

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Table 13. Product part numbers and software images for Catalyst 8500L Edge Platform

Product part number	Description
Unified software images	
SC8KAESUK9-174	Cisco Catalyst 8500L Unified Image (IOS XE 17.4)
Unified with no-lawful-intercept software image	
SC8KAESUNLK9-174	Cisco Catalyst 8500L Unified Image with No Lawful Intercept (IOS XE 17.4)
Non-payload-encryption software images	
SC8KAESNEK9-174	Cisco Catalyst 8500L Non-Pay load Encryptions Image (IOS XE 17.4)
Non-payload with no-lawful-intercept software images	
SC8KAESNELK9-174	Cisco Catalyst 8500L Non-Pay load Encryptions Image with No Lawful Intercept (IOS XE 17.4)
Rack-mount kit and RJ console adapter	
C8500L-RM-19-1R(=)	Cisco Catalyst 8500L Rack mount kit - 19" 1R, Spare
C8500L-4PT-KIT(=)	Cisco C8500L extension rails and brackets for 4P mounting, Spare
C8500L-RM-23-1R(=)	Cisco Catalyst 8500L Rack mount kit - 23" 1R, Spare
Power supply	
PWR-CH1-400WAC(=)	Cisco C8500L 400W AC Power Supply, Spare
PWR-CH1-400WDC(=)	Cisco C8500L 400W DC Power Supply, Spare

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Product part number	Description
Memory	
MEM-C8500L-16GB(=)	Cisco C8500L 16GB Memory, Spare
MEM-C8500L-32GB(=)	Cisco C8500L 32GB Memory, Spare
MEM-C8500L-64GB(=)	Cisco C8500L 64GB Memory, Spare
SSD Storage	
SSD-M2NVME-2T(=)	Cisco C8500L SSD M.2 NVMe 2TB
Fan Tray Spare	
C8500L-FAN-1R=	Cisco Catalyst 8500L Edge Fan Tray, 1RU, Spare
RFID Option	
C-RFID-1R	Cisco Catalyst 8000 Edge RFID - 1RU
C-RFID-NONE	Cisco Catalyst 8000 Edge - NO RFID
USB Storage	
M2USB-16G	Cisco Catalyst 8000 Edge M.2 USB 16GB
M2USB-32G	Cisco Catalyst 8000 Edge M.2 USB 32GB

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Cisco Services

Cisco Customer Experience Support Services for Catalyst 8000 platforms and Cisco DNA Software for SD-WAN and Routing

This section discusses the Cisco Support Services available for Catalyst 8000 platforms and associated Cisco DNA Software for SD-WAN and Routing, as well as optional Support Service offers.

- **Catalyst 8000 platforms:** Cisco Success Tracks is the default and recommended Cisco support service. However, Cisco Success Tracks is not mandatory; it can be removed or replaced with another Cisco support service or partner service per the customer's preference.

- **Cisco DNA Software for SD-WAN and Routing:** Cisco Success Tracks is the default and recommended Cisco support service. However, Cisco Success Tracks is not mandatory; the customer may choose to use the Cisco Subscription Embedded Software Support included with the purchase of this software or another available Cisco support service or partner service option.

Notes:

- When Success Tracks is selected, it must be ordered on both the Catalyst 8000 platform and Cisco DNA Software for SD-WAN and Routing for complete customer entitlement to this premium support service.

- DNA Software for SDWAN and Routing licenses: with all services tied to this software license, whether Success Tracks, Solution Support, or Cisco Subscription Embedded Software Support, customers are entitled to maintenance releases and software updates for **Cisco DNA SD-WAN software only.** The support for the Catalyst 8000 platform's OS and network stack, along with OS updates, is covered by the support contract on the Catalyst 8000 platform.

Success Tracks is a comprehensive suite of services powered by CX Cloud designed to empower customers to simplify, reduce risk and drive innovation for their Cisco IT environments. Success Tracks includes everything in Cisco Solution Support (see description below), plus the following:

- Proven product activation checklists and success tips

- Access to live and on-demand expert resources

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- Direct access to engineering expertise

- AI/ML-based analytics

- Curated library of Product Alerts and Field Notices

- Centralized inventory tracking and asset management

- Configuration assessment for security and compliance

- Recommendations for software updates

- Simplified case management and rapid problem resolution

- Practice labs for pre-production testing

- Technical certification learning assistance

Cisco Solution Support is a premium support purpose-built for today's multiproduct, multivendor network environments and provides:

- A primary point of contact centralizing support across a solution deployment

- Solution, product, and interoperability expertise

- No requirement for customers to isolate their issue to a product to open a case.

- 30-minute service response objective for Severity 1 and 2 cases

- Prioritized case handling over product support cases

- Product support team coordination (Cisco and Solution Support Alliance Partners)

- Accountability for multiproduct, multivendor issue management from first call to resolution, no matter where the issue resides.

Learn more about Cisco Success Tracks [here](#).

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Cisco Subscription Embedded Software Support includes:

Access to support and troubleshooting via online tools and web case submission. Case severity or escalation guidelines are not applicable.

· Cisco Technical Assistance Center (TAC) access 24 hours per day, 7 days per week to assist by telephone, or web case submission and online tools with application software use and troubleshooting issues.

· Access to https://www.cisco.com, providing helpful technical and general information on Cisco products, as well as access to Cisco's online Software Center library.

Note: No additional products or fees are required to receive embedded support for Cisco DNA Software for SD-WAN and Routing. However, if using embedded support for this software, hardware support for the Catalyst 8000 platforms must be purchased separately, as Cisco Subscription Embedded Software Support does not cover hardware. In this case, Cisco Smart Net Total Care Service is recommended for Catalyst 8000 platforms.

Warranty

Cisco Catalyst 8500 Series Edge Platforms come standard with a Cisco Limited 1-Year Return To Factory Hardware Warranty. For more information, refer to: https://www.cisco.com/c/en/us/products/warranties/warranty-c99-744450.html.

Cisco Capital

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Cisco Capital® financing makes it easier to get the right technology to achieve your objectives, enable business transformation, and stay competitive. We can help you reduce the total cost of ownership, conserve capital, and accelerate growth. In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services, and complementary third-party equipment in easy, predictable payments. Learn more.

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Ordering information

To place an order, visit the **Cisco Ordering homepage**.

To download software, visit the **Cisco Software Center**. For more information.

For more information

For more information about the Cisco 8500 Series, visit: **https://www.cisco.com/site/us/en/ products/networking/sdwan-routers/catalyst-8500-series-platforms/index.html** or contact your local Cisco account representative.