

Cisco Compute Hyperconverged with Nutanix

HCINX240C M8 LFF Server

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<https://www.cisco.com/c/en/us/products/hyperconverged-infrastructure/compute-hyperconverged/datasheet-listing.html>

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OVERVIEW

Cisco Compute Hyperconverged with Nutanix is a hyperconverged infrastructure solution integrating Cisco's best-in-class compute (Cisco Unified Computing System), datacenter networking, and SaaS infrastructure management platform (Cisco Intersight) with Nutanix's market-leading hyperconverged storage software, Nutanix Cloud Platform.

The Cisco Compute Hyperconverged with Nutanix family of appliances delivers pre-configured UCS servers that are ready to be deployed as nodes to form Nutanix clusters in a variety of configurations. Each server appliance contains three software layers: UCS server firmware, hypervisor (Nutanix AHV), and hyperconverged storage software (Nutanix AOS).

Physically, nodes are deployed into clusters, with a cluster consisting of Cisco Compute Hyperconverged LFF Servers. Clusters support a variety of workloads like virtual desktops, general-purpose server virtual machines in edge, data center and mission-critical high-performance environments.

The Cisco Compute Hyperconverged HCINX240C M8 LFF server harnesses the power of the latest Intel® Xeon® 6 Scalable Processors and offers the following:

CPU: Up to 2x Intel® Xeon® 6 Scalable Processors with up to 64 cores per processor.

Memory: Up to 8TB with 32 x 256GB DDR5-6400 DIMMs, in a 2-socket configuration with Intel® Xeon® 6 Scalable Processors.

Drives:

- The server accommodates up to 12 front facing SAS-only LFF drives, up to 4 mid-plane SAS-only LFF drives, and up to 4 rear-facing SFF drives (SAS or SATA).
- The server supports up to two rear storage risers (2 SFF drive slots each)

Cluster Scale: Nutanix clusters scale is determined by the cluster Management Mode. Refer to the [Table 7 on page 14](#) for the scale and limits details.

These servers can be interconnected and managed in two different ways:

- **Intersight Standalone Mode:** servers are centrally managed using Cisco Intersight® (SaaS, PVA or CVA). While a minimum of three nodes are required to deploy a standard Nutanix cluster, we also offer an option to deploy a single node cluster and a two-node cluster for Edge and branch locations and situations that already have a high-performance network fabric installed. Refer to Nutanix documentation on [single node](#).
- **Intersight Managed Mode:** The nodes are connected to a pair of Cisco UCS® 6400 Series or a pair of Cisco UCS 6500 Series fabric interconnects that are entirely managed from Intersight (SaaS, PVA or CVA). All Servers are connected to the same pair of fabric interconnect. While a minimum of three nodes are required to deploy a standard Nutanix cluster, option to deploy a single node cluster and a two-node cluster for Edge and branch locations is supported. Refer to Nutanix documentation on [single node](#).



IMPORTANT NOTE: HCI M8 platforms are supported in Intersight Standalone Mode (ISM) and Intersight Managed Mode(IMM) only. No UCS Managed Mode (UMM) deployments are supported with M8 platforms. If you are looking to expand existing M6 or M7 UMM cluster, please don't order M8 platforms. You can continue to order M7 platforms for existing UMM cluster expansion.

OVERVIEW

See [Figure 1 on page 4](#) for front and rear views of the Cisco Compute Hyperconverged HCINX240C M8 LFF Server.

Figure 1 Cisco Compute Hyperconverged HCINX240C M8 LFF Server (12 front LFF drives, 4 mid-plane LFF drives, 4 rear SFF drives)

Front View (all slots shown unpopulated - see [Figure 2 on page 5](#) for details)



Rear View (all slots shown unpopulated - see [Figure 3 on page 6](#) for details)

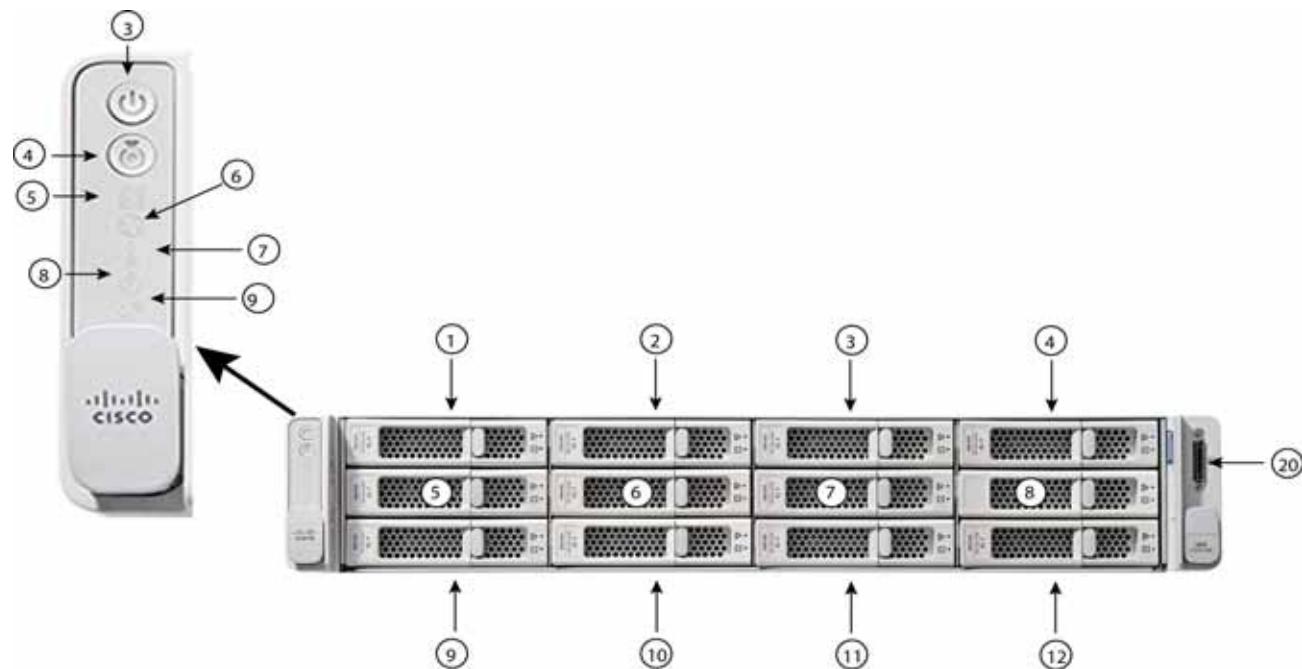


DETAILED VIEWS

Chassis Front View

Figure 2 shows the front view of rack server configured with 12 front drives.

Figure 2 Chassis Front View

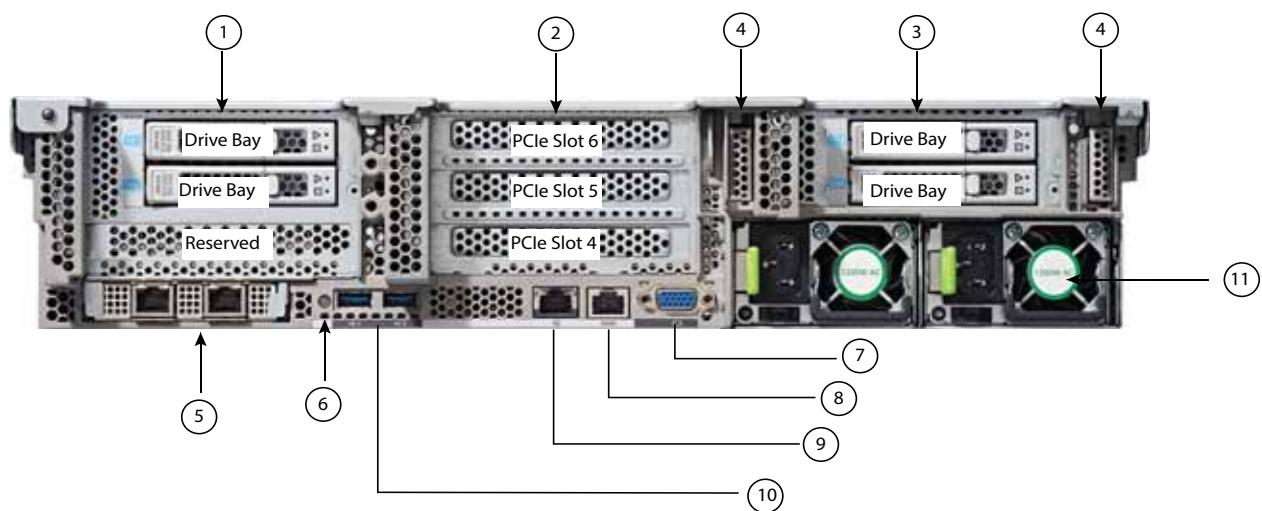


1 - 12	Drive bays 1-12 support 3.5-inch SAS-only hard disk drives (HDDs).	17	Temperature status LED
13	Power button/Power status LED	18	Power supply status LED
14	Unit Identification button/LED	19	Network link activity LED
15	System status LED	20	KVM connector (used with KVM cable that provides two USB 2.0 connectors, one VGA connector, and one serial connector)
16	Fan status LED	-	-

Chassis Rear View

Figure 3 shows the external features of the rear panel.

Figure 3 Chassis Rear View



BASE SERVER STANDARD CAPABILITIES and FEATURES

Table 1 lists the capabilities and features of the base server. Details about how to configure the server for a particular feature or capability (for example, number of processors, drives, or amount of memory) are provided in [CONFIGURING the SERVER, page 9](#).

Table 1 Capabilities and Features

Capability/Feature	Description
Chassis	Two rack unit (2RU) chassis
CPU	<ul style="list-style-type: none"> ■ One or two Intel® Xeon® 6 Scalable Processors ■ Each CPU has 8 channels with up to 2 DIMMs per channel, for up to 16 DIMMs per CPU ■ UPI Links: Up to 4 at 24GT/s
Memory	<ul style="list-style-type: none"> ■ 32 total DDR5-6400 MT/s DIMM slots with Intel® Xeon® 6 Scalable Processors (16 per CPU)
Video	<p>The Cisco Integrated Management Controller (CIMC) provides video using the Matrox G200e video/graphics controller:</p> <ul style="list-style-type: none"> ■ Integrated 2D graphics core with hardware acceleration ■ Embedded DDR memory interface supports up to 512 MB of addressable memory (8 MB is allocated by default to video memory) ■ Supports display resolutions up to 1920 x 1200 16bpp @ 60Hz ■ High-speed integrated 24-bit RAMDAC ■ Single lane PCI-Express host interface running at Gen 1 speed
Power subsystem	<p>Up to two of the following hot-swappable power supplies:</p> <ul style="list-style-type: none"> ■ 1050W (DC) ■ 1200W (AC) ■ 1600 W (AC) ■ 2300 W (AC) <p>One power supply is mandatory; one more can be added for 1 + 1 redundancy.</p>
Front Panel	A front panel controller provides status indications and control buttons
ACPI	This server supports the advanced configuration and power interface (ACPI) 6.2 standard.
Fans	Six hot-swappable fans for front-to-rear cooling
Expansion slots	<ul style="list-style-type: none"> ■ Riser 1B (two drive bays) ■ Riser 2A (three Gen 5 PCIe slots) ■ Riser 2C (two Gen 5 PCIe slots) ■ Riser 3A (two Gen 5 PCIe slots) ■ Riser 3B (two drive bays) ■ Riser 3C (one Gen5 PCIe Slot)

Table 1 Capabilities and Features (*continued*)

Capability/Feature	Description
Interfaces	<ul style="list-style-type: none"> ■ Rear panel: <ul style="list-style-type: none"> • One 1Gbase-T RJ-45 management port • One RS-232 serial port (RJ45 connector) • One DB15 VGA connector • Two USB 3.0 port connectors • One flexible modular LAN on motherboard (mLOM)/OCP 3.0 slot that can accommodate various interface cards. ■ Front panel: <ul style="list-style-type: none"> • One KVM console connector (supplies two USB 2.0 connectors, one VGA DB15 video connector, and one serial port (RS232) RJ45 connector)
Integrated management processor	<ul style="list-style-type: none"> ■ Baseboard Management Controller (BMC) running Cisco Integrated Management Controller (CIMC) firmware. ■ Depending on your CIMC settings, the CIMC can be accessed through the 1GE dedicated management port. Cisco virtual interface card (VIC). ■ CIMC manages certain components within the server, such as the Cisco 24G SAS HBA.
Internal storage devices	<p>Drive storage:</p> <ul style="list-style-type: none"> ■ Large Form Factor (LFF) drives with 12-drive backplane. The server can hold up to: <ul style="list-style-type: none"> • 4 to 12 LFF 3.5 inch front-facing SAS-only LFF hard drives (HDDs). • Optionally up to four mid-plane SAS-only LFF HDDs ■ Up to four SFF 2.5-inch, rear-facing SAS/SATA SSDs <p>Other storage:</p> <ul style="list-style-type: none"> ■ A Boot Optimized RAID Controller supports <ul style="list-style-type: none"> • Two internal SATA M.2 SSDs ■ 8GB FlexMMC utility storage for staging of firmware and other user data. 8GB FlexMMC storage is built into the motherboard on M8.
Storage controllers	<p>Internal storage controllers:</p> <ul style="list-style-type: none"> ■ 24G Tri-Mode M1 HBA for 16 Drives
Modular LAN on Motherboard (mLOM)/ Open Compute Project (OCP) 3.0 slot	The dedicated mLOM/Open Compute Project (OCP) 3.0 slot on the motherboard can flexibly accommodate the following cards: <ul style="list-style-type: none"> ■ Cisco Virtual Interface Cards ■ Open Compute Project (OCP) 3.0 network interface card
Fabric Interconnect	Compatible with the Cisco UCS 6454, 64108 and 6536 fabric interconnects
CIMC	Cisco Integrated Management Controller 4.3(6) or later
Intersight	Intersight provides server management capabilities

CONFIGURING the SERVER

Follow these steps to configure the Cisco Compute Hyperconverged HCINX240C M8 LFF Server:

- STEP 1 SELECT SERVER SKU, page 10
- STEP 2 AI INTENT (OPTIONAL), page 11
- STEP 3 USE CASE INTENT (REQUIRED), page 12
- STEP 4 SELECT MANAGEMENT MODE (REQUIRED), page 13
- STEP 5 SELECT RISER CARDS (REQUIRED), page 15
- STEP 6 SELECT CPU(s) (REQUIRED), page 16
- STEP 7 SELECT MEMORY (REQUIRED), page 18
- STEP 8 SELECT DRIVE CONTROLLERS, page 21
- STEP 9 SELECT DRIVES (REQUIRED), page 22
- STEP 10 SELECT CISCO COMPUTE HYPERCONVERGED CONNECTIVITY (REQUIRED), page 25
- STEP 11 SELECT OPTION CARD(s) (OPTIONAL), page 27
- STEP 12 SELECT GPU CARDS (OPTIONAL), page 29
- STEP 13 SELECT POWER SUPPLY (REQUIRED), page 30
- STEP 14 SELECT INPUT POWER CORD(s) (REQUIRED), page 31
- STEP 15 SELECT TOOL-LESS RAIL KIT (REQUIRED) AND REVERSIBLE CABLE MANAGEMENT ARM (OPTIONAL), page 35
- STEP 16 SELECT SECURITY DEVICES (REQUIRED), page 36
- STEP 18 SELECT HYPERVERSOR, page 38
- STEP 19 SELECT NUTANIX SOFTWARE AND NUTANIX PROFESSIONAL SERVICES, page 39
- STEP 20 CISCO INTERSIGHT, page 102

STEP 1 SELECT SERVER SKU

Top level ordering product ID (PID) is shown in [Table 2](#).

Table 2 Top Level Major Line Bundle ordering PIDs (MLB)

Product ID (PID)	Description
HCI-M8-NTNX-MLB	Cisco Compute Hyperconverged M8 with Nutanix MLB This major line bundle (MLB) consists of the Cisco Compute Hyperconverged Server, with Intersight and Nutanix software PIDs.

Select one product ID (PID) as shown in [Table 3](#).



CAUTION: This product may not be purchased outside of the approved bundles (must be ordered under the MLB)

Table 3 PID of the Rack Base Server

Product ID (PID)	Description
HCINX240C-M8L	Cisco Compute Hyperconverged HCI 240cM8 LFF Nutanix Node

The Cisco Compute Hyperconverged HCINX240C M8 LFF Server:

- Includes a drive backplane.
- Does not include power supply, CPU, memory, hard disk drives (HDDs), solid-state drives (SSDs), boot drives, SD cards, risers, tool-less rail kit, or PCIe cards.
- Use the steps on the following pages to configure the server with the components that you want to include.

STEP 2 AI INTENT (OPTIONAL)

Select AI Intent

- The available AI Intent options are listed in *Table 4*.

Table 4 AI Intent

Product ID (PID)	Description
COMPUTE-AI	Compute Artificial Intelligence Use Case
COMPUTE-OTHER	Compute Other Use Case

STEP 3 USE CASE INTENT (REQUIRED)

Select Use Case Intent

- The available use case intent are listed in *Table 5*.

Table 5 Use Case Intent

Product ID (PID)	Description
NTNX-HCI	Nutanix HCI Use Case
NTNX-NUS	Nutanix Unified Storage (NUS) Use Case



NOTE: Please select the correct customer intent for this platform. This is important since some drives can only be used with NUS use-case.

STEP 4 SELECT MANAGEMENT MODE (REQUIRED)

The available management modes are listed in [Table 6](#).

Table 6 Management Modes

Product ID (PID)	Description
HCI-IS-MANAGED	Deployment mode for Standalone Server Managed by Intersight (ISM)
HCI-IMM-MANAGED	Deployment mode for Server and FI Managed by Intersight (IMM)



NOTE:

- HCI deployment with standalone servers that are Intersight managed (HCI-IS-MANAGED):
 - This deployment option allows server nodes to be directly connected to existing Top of Rack (ToR) switches without the need for a pair of UCS Fabric Interconnects. The installation for this type of deployment must need Foundation Central and Intersight.
 - If this deployment mode is selected, then either HCI-MLOM or HCI-PCIE connectivity mode must be selected from [STEP 11 SELECT OPTION CARD\(s\) \(OPTIONAL\), page 27](#) and additional cards should be selected from [STEP 11 SELECT OPTION CARD\(s\) \(OPTIONAL\), page 27](#)
 - IMC standalone mode is not supported. The servers must be Intersight managed
- HCI deployment with servers and FI both managed by Intersight (HCI-IMM-MANAGED)
 - This deployment option connects the server to a pair of Cisco Fabric Interconnects operating in Intersight managed mode (IMM). The installation for this type of deployment is performed using foundation central and Intersight
 - UCS 4th Gen and 5th Gen fabric interconnects (6454, 64108, 6536) are supported with this solution.
 - HCIX modular server nodes can be mixed with HCI nodes when operating in this mode. They must all be connected to the same pair of FI.
 - If this deployment mode is selected, then HCI-MLOM from HCI connectivity mode must be selected from [STEP 11 SELECT OPTION CARD\(s\) \(OPTIONAL\), page 27](#) and additional cards should be selected from [STEP 11 SELECT OPTION CARD\(s\) \(OPTIONAL\), page 27](#)

Nutanix HCI Rack platform scale and limits

Table 7 Nutanix HCI Rack platform scale and limits

Scale	Limit		Hypervisor (AHV/ESXi)
	Intersight Standalone (ISM)	Intersight Managed (IMM)	
Min. Cluster Size	1	1	Both
Max. Cluster Size	32	32	Both
Initial cluster deployment /Node preparation for expansion	16	16	Both
Cluster expansion	8 at a time	8 at a time	Both
Number of parallel deployments in FC	32	32	Both

STEP 5 SELECT RISER CARDS (REQUIRED)

Select desired risers from [Table 8](#).

Table 8 PIDs of the Risers

Product ID (PID)	Description
Riser 1 Options	
HCI-RIS1B-240M8 (storage riser)	UCS C240 M8 Riser 1B support 2xSFF drives <ul style="list-style-type: none"> ■ Slot 1 is reserved ■ Drive bay 102, x4, Supports SAS/SATA drives ■ Drive bay 101, x4, Supports SAS/SATA drives
Riser 2 Options (2-CPU must be selected)	
HCI-RIS2A-240M8 (I/O riser)	UCS C240 M8 Riser 2A PCIe Gen5 (x8, x16, x8) (controlled with CPU2) <ul style="list-style-type: none"> ■ Slot 4 is full-height, 3/4 length, x8, Supports NCSI and single wide GPU ■ Slot 5 is full-height, full-length, x16, Supports NCSI and single/double wide GPU ■ Slot 6 is full-height, full length, x8, Supports single wide GPU
HCI-RIS2C-240M8 (I/O riser)	UCS C240 M8 Riser 2C PCIe Gen5 (2x16) (controlled with CPU2) <ul style="list-style-type: none"> ■ Slot 4 is full-height, 3/4 length, x16, Supports NCSI and single wide GPU ■ Slot 5 is full-height, full-length, x16, Supports single/double wide GPU
Riser 3 Options (2-CPU must be selected)	
HCI-RIS3A-240M8 (I/O riser)	UCS C240 M8 Riser 3A PCIe Gen5 (controlled with CPU2) <ul style="list-style-type: none"> ■ Slot 7 is full-height, full-length, x8 ■ Slot 8 is full-height, full-length, x8
HCI-RIS3B-240M8 (storage riser)	UCS C240 M8 Riser 3B support 2xSFF drives (controlled with CPU2) <ul style="list-style-type: none"> ■ Drive bay 104, x4, SAS/SATA drives ■ Drive bay 103, x4, SAS/SATA drives
HCI-RIS3C-240M8 (I/O riser)	UCS C240 M8 Riser 3C PCIe Gen5 (x16) (controlled with CPU2) <ul style="list-style-type: none"> ■ Slot 7 is one full-height, full-length, x16, Supports double wide GPU ■ Slot 8 is blocked by double wide GPU (not used)
Accessories/spare included along with selected risers:	
<ul style="list-style-type: none"> ■ CBL-RISB-C240M8L, CBL-MP-240M8L-C and CBL-MP-240M8L-P are auto included. ■ Please note, if you are adding additional risers and raid controller later, you may need to order the accessories with it. 	



NOTE: For GPU support on a particular riser slot, see [Table 20 on page 29](#)

STEP 6 SELECT CPU(s) (REQUIRED)

The standard CPU features are:

- Up to 64 cores
- Cache size of up to 320 MB
- Power: Up to 330 Watts
- UPI Links: Up to 4 at 24GT/s

Select CPUs from [Table 9](#)



CAUTION:

- Normal operating temperature is limited to 35° C [95° F], and is lowered to 28° C [82.4° F], with a fan fault. When rear drives are installed, the normal operating temperature is lowered to 30° C [86° F], and 26° C [78.8° F], respectively with a fan fault.
- With multiple GPU>75W installed, normal operating temperature is 30° C [86° F], lowered to 25° C [77° F], with a fan fault.
- When a GPU>75W is installed, CPUs with TDP greater than 330W are not supported

Table 9 Available Intel® Xeon® 6 Scalable CPUs

Product ID (PID)	Segment/ Workload	Maximum Socket (S)	Cores (C)	Clock Freq (GHz)	Power (W)	Cache Size (MB)	Highest DDR5 DIMM Clock (MT/s)
HCI-CPU-I6760P	Mainline	2S	64	2.20	330	320	6400
HCI-CPU-I6747P	Performance	2S	48	2.70	330	288	6400
HCI-CPU-I6740P	Mainline	2S	48	2.10	270	288	6400
HCI-CPU-I6736P	Performance	2S	36	2.00	205	144	6400
HCI-CPU-I6745P	Performance	2S	32	3.10	300	336	6400
HCI-CPU-I6737P	Performance	2S	32	2.90	270	144	6400
HCI-CPU-I6730P	Performance	2S	32	2.50	250	288	6400
HCI-CPU-I6530P	Mainline	2S	32	2.30	225	144	6400
HCI-CPU-I6728P	Socket scalable	4S	24	2.70	210	144	6400
HCI-CPU-I6527P	Performance	2S	24	3.00	255	144	6400
HCI-CPU-I6520P	Mainline	2S	24	2.40	210	144	6400
HCI-CPU-I6724P	Performance	4S	16	3.60	210	72	6400
HCI-CPU-I6517P	Performance	2S	16	3.20	190	72	6400
HCI-CPU-I6515P	Mainline	2S	16	2.30	150	72	6400

Table 9 Available Intel® Xeon® 6 Scalable CPUs

Product ID	Segment/ Workload	Maximum Socket	Cores	Clock Freq	Power	Cache Size	Highest DDR5 DIMM Clock
(PID)		(S)	(C)	(GHz)	(W)	(MB)	(MT/s)
HCI-CPU-I6505P	Mainline	2S	12	2.20	150	48	6400
HCI-CPU-I6714P	Performance	4S	8	4.00	165	48	6400
HCI-CPU-I6507P	Performance	2S	8	3.50	150	48	6400
Accessories/spare included with CPU configuration:							
<ul style="list-style-type: none"> ■ UCSC-HSLP-C240M8 ■ UCSC-HSLP-C220M8 if UCSC-GPUAD-240M8 is selected 							
NOTE: if you are adding a second CPU later, you may need to order accessories spares with it.							

Table 10 CPU PID Decoder

Identifier#1	Identifier#2	Identifier#3	Identifier#4	Identifier#5	Identifier#6	Identifier#7
Cisco Product Family HCI	CPU supplier I: Intel	CPU Generation 6: 6th Generation	SKU Tier 5: GNR-SP Mid Tier 7: GNR-SP High Tier	CPU SKU (2 digits) Examples: 20, 34, 48 See detailed SKUs stack from supplier 11, 21, 31, 41, 61, 81: single-socket	Core Architecture P: P-Core	Option/Spare CPU Blank: Option =: Spare

Supported Configurations

- 1-CPU Configuration:
 - Choose one CPU from [Table 9](#)
- 2-CPU Configuration:
 - Choose two identical CPUs from [Table 9](#)

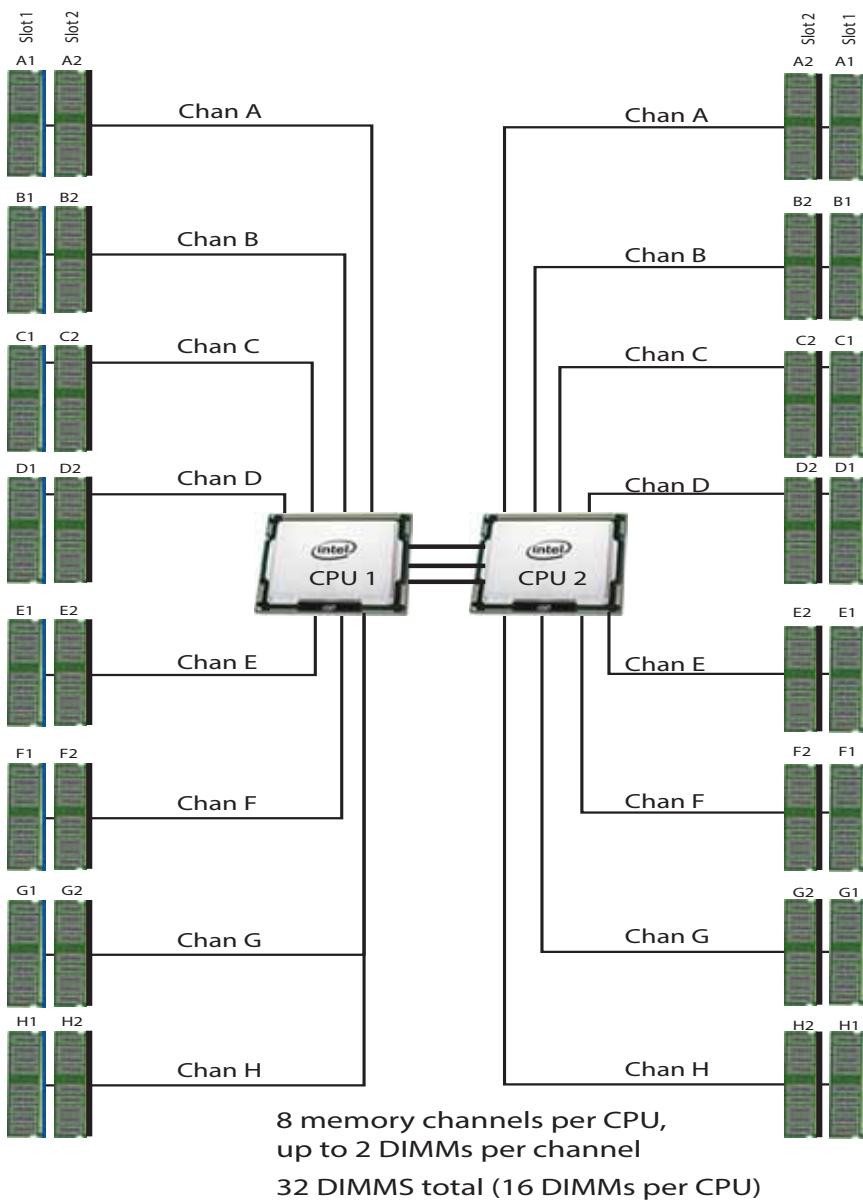
STEP 7 SELECT MEMORY (REQUIRED)

The *Table 11* below describes the main memory DIMM features supported on the server.

Table 11 Server Main Memory Features

Memory server technologies	Description
Intel® Xeon® CPU generation	Intel® Xeon® 6 CPUs
DDR5 memory clock speed	Up to 6400 MT/s 1DPC; Up to 5200 MT/s 2DPC
Operational voltage	1.1 Volts
DRAM fab density	16Gb, 24Gb and 32Gb
Memory type	RDIMM (Registered DDR5 DIMM)
Memory DRAM DIMM/MRDIMM organization	Eight memory DIMM channels per CPU; up to 2 DIMMs Per Channel
Maximum number of DRAM DIMM/MRDIMM per server	32 (2-Socket)
DRAM DIMM/MRDIMM Densities and Ranks	16GB 1Rx8, 32GB 1Rx4, 48GB 1Rx4, 64GB 2Rx4, 96GB 2Rx4, 128GB 2Rx4, 256GB 4Rx4
Maximum system memory capacity	8TB (32x256GB)

Figure 4 Memory Organization



Select DIMMs

The available memory DIMMs are listed in *Table 12*.

Table 12 Memory Options for Servers With Intel® Xeon® 6th Gen. CPUs

Product ID (PID)	PID Description	Ranks/DIMM
DDR5-6400 MT/s Cisco Memory PIDs list		
HCI-MRX16G1RE5	16GB RDIMM 1Rx8 1.1Volts (16Gb)	1
HCI-MRX32G1RE5	32GB RDIMM 1Rx4 1.1Volts (16Gb)	1
HCI-MRX64G2RE5	64GB RDIMM 2Rx4 1.1Volts (16Gb)	2
HCI-MRX48G1RF5	48GB DDR5-6400RDIMM 1Rx4 (24Gb)	2
HCI-MRX96G2RF5	96GB RDIMM 2Rx4 1.1Volts (24Gb)	2
HCI-MR128G2RG5	128GB RDIMM 2Rx4 1.1Volts (32Gb)	2
HCI-MR256G4RG5	256GB RDIMM 4Rx4 1.1Volts (32Gb)	4
Accessories/spare included with Memory configuration:		
■ UCS-DDR5-BLK ¹ is auto included for the unselected DIMMs slots		

Notes:

1. Any empty DIMM slot must be populated with a DIMM blank to maintain proper cooling airflow.

Memory configurations and mixing rules

- Golden Rule: Memory on every CPU socket shall be configured identically.
- For full details on supported memory configurations, count rules, population rules and mixing rules see the [Intel M8 Memory guide](#).

STEP 8 SELECT DRIVE CONTROLLERS

The following list summarizes how drives are controlled on the server:

- Up to 16 LFF SAS HDDs, and up to 4 SFF SAS/SATA drives are controlled through a Cisco 24G Tri-Mode M1 HBA

Table 13 Hardware Controller Options

Product ID (PID)	PID Description
Controllers for Internal Drives	
HCI-HBAMP1LL32	<p>24G Tri-Mode M1 HBA for 32 LFF Drives</p> <ul style="list-style-type: none"> ■ This Tri-mode HBA supports up to 16 LFF SAS HDDs, and up to 4 SFF SAS/SATA operating at 3Gbps, 6Gbps, 12Gbps and 24Gbps. ■ No RAID support ■ Supports JBOD or pass-through mode ■ The 24G Tri-mode HBA plugs directly into a dedicated slot.
NOTE: If you are adding drive controller later as spare, you may need to order cables/supercap/super cables and controllers bracket with it.	

STEP 9 SELECT DRIVES (REQUIRED)

The standard drive features are:

- 3.5-inch large form factor (front and mid-plane drives)
- 2.5-inch small form factor (rear drives)
- Hot-pluggable
- Drives come mounted in sleds

Select Drives

The available drives listed [Table 14](#)



CAUTION: Cisco uses solid state drives (SSDs) from a number of vendors. All solid state drives (SSDs) are subject to physical write limits and have varying maximum usage limitation specifications set by the manufacturer. Cisco will not replace any solid state drives (SSDs) that have exceeded any maximum usage specifications set by Cisco or the manufacturer, as determined solely by Cisco.



NOTE: Nutanix AOS supports a maximum of 212TB raw capacity per node for HCI use case and maximum of 550TB raw capacity per node for NUS use case in a LFF system.

Table 14 Available Drives

Product ID (PID)	PID Description	Drive Type	Capacity
Front Capacity Drive			
HCI-HDL20TW1S74K	20TB 3.5in 12G SAS 7.2K RPM 4K WD HDD	SAS	20 TB
HCI-HDL20TT1S74K	20TB 3.5in 12G SAS 7.2K RPM 4K Toshiba HDD	SAS	20 TB
HCI-HDL24TW1S74K ¹	24TB 3.5in 12G SAS 7.2K RPM 4K Front Load WD HDD	SAS	24 TB
Mid Plane Capacity Drive			
HCI-HDM20TW1S74K	20TB 3.5in 12G SAS 7.2K RPM 4K Mid Plane WD HDD	SAS	20 TB
HCI-HDM20TT1S74K	20TB 3.5in 12G SAS 7.2K RPM 4K Mid Plane Toshiba HDD	SAS	20 TB
HCI-HDM24TW1S74K ¹	24TB 3.5in 12G SAS 7.2K RPM 4K Top Load WD HDD	SAS	24 TB
Rear Capacity Drive (installed in riser slots)			
HCI-SD38TKA1X-EV	3.8TB 2.5in Enter Value 24G SAS Kioxia PM7 SSD (1X)	SAS	3.8 TB
HCI-SDB3T8SA1V	3.8TB 2.5in 6G SATA Enter Value 1X Samsung G1PM893A SSD	SATA	3.8 TB
HCI-SD76TKA1X-EV	7.6TB 2.5in Enter Value 24G SAS Kioxia PM7 SSD (1X)	SAS	7.6 TB
HCI-SDB7T6SA1V	7.6TB 2.5in 6G SATA Enter Value 1X Samsung G1PM893A SSD	SATA	7.6 TB
HCI-SD15TKA1X-EV	15.3TB 2.5in Enter Value 24G SAS Kioxia PM7 SSD (1X)	SAS	15.3 TB
Boot Drive			
HCI-M2-480G	480GB M.2 SATA SSD	SATA	480GB

Table 14 Available Drives

Product ID (PID)	PID Description	Drive Type	Capacity
HCI-M24800A1V	480GB M.2 Boot Solidigm S4520 SATA 1X SSD	SATA	480GB
HCI-M2-960G	960GB M.2 SATA Micron G2 SSD	SATA	960GB
M.2 Raid controller (Internal)			
HCI-M2-HWRAID2	Cisco Boot optimized M.2 Raid controller for SATA drives		

Notes:

1. Can only be selected when Use Case Intent: NTNX-NUS is selected

Approved Configurations:

■ Front Capacity drives:

- Quantity: Minimum 4, Maximum 12.
- Slot Consumption: Consumes front drive slots.
- Dependencies based on Use Case Intent:
 - If NTNX-HCI is selected as the Use Case Intent, and the quantity of front + mid plane capacity drives is greater than 6, then rear riser 3b capacity drives must also be selected.
 - If NTNX-NUS is selected as the use case intent, and the quantity of front + mid plane capacity drives is greater than 8, then rear riser 3b capacity drives must also be selected.
- Incompatibilities:
 - PIDs: HCI-HDL20TW1S74K, HCI-HDL20TT1S74K, HCI-HDL24TW1S74K
 - Rule: If any of these drives are selected, you cannot select any 3.8TB Rear SSD Drive.
 - Note for HCI-HDL24TW1S74K: This drive can only be selected when NTNX-NUS is selected as the use case intent.

■ Mid Plane capacity drives:

- Quantity: Minimum 0, Maximum 4.
- Slot Consumption: Consumes mid-plane drive slots.
- Incompatibilities:
 - If any Mid Plane Drives are selected, you cannot select Double Wide GPUs.
 - PIDs: HCI-HDM20TW1S74K, HCI-HDM20TT1S74K, HCI-HDM24TW1S74K
 - Rule: If any of these drives are selected, you cannot select any 3.8TB Rear SSD Drive.
 - Note for HCI-HDM24TW1S74K: This drive can only be selected when NTNX-NUS is selected as the Use Case Intent.

- Rear Riser 1B Capacity Drives:
 - Quantity: Minimum 2, Maximum 2.
 - Slot Consumption: Consumes rear drive slots.
 - Riser Dependency: If these drives are selected, Riser 1B (PID: HCI-RIS1B-240M8) must also be selected.
- Rear Riser 3B Capacity Drive(s):
 - Quantity: Minimum 0, Maximum 2.
 - Slot Consumption: Consumes rear drive slots.
 - Riser Dependency: If these drives are selected, Riser 3B (PID: HCI-RIS3B-240M8) must also be selected.
- Two boot drives with M.2 Raid controller:
 - Dual M.2 SATA SSD with the HW RAID controller is the only supported boot configuration for this solution.
 - It is recommended that M.2 SATA SSDs be used as boot-only devices.
 - Order two identical M.2 SATA SSDs for the boot optimized RAID controller
 - You cannot mix M.2 SATA SSD capacities.
 - The Boot-Optimized RAID controller supports AHV Operating Systems.
 - The SATA M.2 drives can boot in UEFI mode only. Legacy boot mode is not supported.
 - CIMC is supported for configuring of volumes and monitoring of the controller and installed SATA M.2 drives

STEP 10 SELECT CISCO COMPUTE HYPERCONVERGED CONNECTIVITY (REQUIRED)

A. Intersight Standalone Mode (IS Managed) - HCI connectivity:



Golden Rule: Mixing VIC and NIC in same server/cluster is not supported.

The following connectivity options are available, if you select the Intersight Standalone Mode (IS Managed) from the [STEP 4 SELECT MANAGEMENT MODE \(REQUIRED\)](#).

Select Connectivity

The available connectivity are listed in [Table 15](#).



NOTE:

- Either Cisco VIC connectivity (HCI-MLOM) or Third Party NIC connectivity (HCI-PCIE) is mandatory for this solution.
- Use HCI-MLOM for VIC based connectivity and HCI-PCIE for NIC based connectivity.
- When HCI-MLOM is selected up to three additional VIC can be selected from the [Table 19](#).
- When HCI-PCIE is selected up to two additional NIC can be selected from the table [Table 19](#).

Table 15 Cisco Compute Hyperconverged Connectivity

Product ID (PID)	Description	Max cards available per node	Supported Configuration
HCI-MLOM	Cisco VIC Connectivity	1 MLOM VIC + 2 PCIe VIC	Select from MLOM VIC Table 16 and additional VIC in the riser slot from the Table 19
HCI-PCIE	Third Party NIC Connectivity	3 dual port or 3 quad port in PCIe riser slot	Select NIC cards under riser from Table 19

The available cards for the MLOM connectivity are listed in [Table 16](#).

Table 16 Available Cards for the Cisco Compute Hyperconverged MLOM Connectivity

Product ID (PID)	Description	Location	Card Size ¹
MLOM Cards			
HCI-M-V5Q50GV2	Cisco VIC 15427 4x 10/25/50G mLOM C-Series w/Secure Boot	mLOM	HHHL, SS
HCI-M-V5D200GV2	Cisco VIC 15237 2x 40/100/200G mLOM C-Series w/Secure Boot	mLOM	HHHL, SS

Notes:

1. HHHL = half-height, half-length; FHHL = full-height, half-length; SS = single-slot; DS = double-slot. SFF = small form factor.

B. Intersight Managed Mode (IMM-Managed) - HCI connectivity:

The following connectivity and cards options are available, if you select the Intersight Managed Mode from the **STEP 4 SELECT MANAGEMENT MODE (REQUIRED)**.

Select Connectivity

The available connectivity are listed in [Table 17](#).



NOTE:

- HCI MLOM Connectivity (HCI-MLOM) is mandatory for this solution.
- Supported configuration maximum is Single MLOM + Single VIC (select VIC under the riser PCIe VIC card option from [Table 19](#)).

Table 17 Cisco Compute Hyperconverged Connectivity

Product ID (PID)	Description	Supported Configuration
HCI-MLOM	Cisco VIC Connectivity on mLOM	1 mLOM (Mandatory) (select from Table 18) + 1 PCIe VIC (optional) (select from Table 19)

- The available cards for the Cisco Compute Hyperconverged MLOM are listed in [Table 18](#)

Table 18 Available Cards for the Cisco Compute Hyperconverged MLOM Connectivity

Product ID (PID)	Description	Location	Card Size ¹
MLOM Cards			
HCI-M-V5Q50GV2	Cisco VIC 15427 4x 10/25/50G mLOM C-Series w/Secure Boot	mLOM	HHHL, SS
HCI-M-V5D200GV2	Cisco VIC 15237 2x 40/100/200G mLOM C-Series w/Secure Boot	mLOM	HHHL, SS

Notes:

1. HHHL = half-height, half-length; FHHL = full-height, half-length; SS = single-slot; DS = double-slot. SFF = small form factor.

STEP 11 SELECT OPTION CARD(s) (OPTIONAL)

For up-to-date server compatibility, please check the Hardware and Software compatibility list (HCL) at <https://ucshcltool.cloudapps.cisco.com/public/>.

The standard PCIe card offerings are:

- Virtual Interface Cards (VICs)
- Network Interface Cards (NICs)



NOTE:

- PCIe cards are optional if mLOM is already populated
- Supported configuration maximum is Single MLOM + Single VIC for IMM
- There is no support of NIC cards in IMM mode.

Select Option Cards

The available option cards are listed in *Table 19*

Table 19 Available PCIe Option Cards

Product ID (PID)	PID Description	Location	Card Size ¹	Supported Management Mode
Virtual Interface Cards (VICs)				
HCI-P-V5Q50G	Cisco UCS VIC 15425 Quad Port 10/25/50G CNA PCIE	Riser 1A (slot 2) or Riser 3A (slot 3)	HHHL, SS	All Management modes (ISM & IMM)
HCI-P-V5D200G	Cisco VIC 15235 Dual Port 40/100/200G CNA PCIE	Riser 1A (slot 2) or Riser 3A (slot 3)	HHHL, SS	All Management modes (ISM & IMM)
Network Interface Cards (NICs)				
10GbE NICs				
HCI-P-ID10GC	Cisco-Intel X710T2LG 2x10GBE RJ45 PCIe NIC	Riser 1, 2, or 3	HHHL, SS	Intersight Standalone mode Only (ISM)
HCI-P-IQ10GC	Cisco-Intel X710T4LG 4x10GBE RJ45 PCIe NIC	Riser 1, 2, or 3	HHHL, SS	Intersight Standalone mode Only (ISM)
25GbE NICs				
HCI-P-I8D25GF ²	Cisco-Intel E810XXVDA2 2x25/10GBE SFP28 PCIe NIC	Riser 1A (slot 1 or 2) and Riser 2A (slot 2), Riser 3A (slot 3)	HHHL, SS	Intersight Standalone mode Only (ISM)
HCI-P-I8Q25GF ²	Cisco-Intel E810XXVDA4L 4x25/10GBE SFP28 PCIe NIC	Riser 1C or 3C	FHHL, SS	Intersight Standalone mode Only (ISM)

Notes:

1. HHHL = half-height, half-length; FHHL = full-height, half-length; SS = single-slot; DS = double-slot.
SFF = small form factor.

2. When present, the recommended Fan Speed Control policy setting is balanced.

Caveats

- For 1-CPU systems:
 - All the PCIe slots on riser 1A and 1C are supported for the PCIe Cards.
 - Riser 2 and 3 are not supported in 1-CPU system.
 - Only a single plug-in PCIe VIC card may be installed on a 1-CPU system, and it must be installed in slots 1 or 2 of riser 1A or slot 1 of riser 1C.
- For 2-CPU systems:
 - All risers (Risers 1, 2, and 3) are supported

SELECT OPTIONAL PCIe OPTION CARD ACCESSORIES

- At the time of first launch, the 3rd Party Ethernet adapters were tested for interoperability with an initial selection of Optical Modules and Cables. Please check the Product Briefs for this initial list of interoperable optics and cables at
<https://www.cisco.com/c/en/us/products/servers-unified-computing/third-party-adapters-listing.html>.
- For list of supported optics and cables for VIC 15428 and VIC 15238, refer to the VIC 15000 series data sheet at
<https://www.cisco.com/c/en/us/products/collateral/interfaces-modules/unified-computing-system-adapters/ucs-vic-15000-series-ds.html>
- Cisco Transceiver Module Group (TMG) conducts tests with Cisco optics and cables and publishes the results in the TMG Compatibility Matrix. The latest compatibility with optical modules and DACs can be found at <https://tmgmatrix.cisco.com/>
- Refer to the these links for additional connectivity options.

Intel:
Product Guide
Speed White Paper

STEP 12 SELECT GPU CARDS (OPTIONAL)

Select GPU Options

The available GPU PCIe options and their riser slot compatibilities are listed in [Table 20](#).



NOTE:

- GPUs cannot be mixed
- All GPU cards must be procured from Cisco as there is a unique SBIOS ID required by CIMC and UCSM
- If a GPU with TDP equal or greater than 75W is ordered, all the 3 risers are required, and GPU airblocker will be installed in the middle slot of any empty riser in the system.
- If a double-wide (DW) GPU is selected in Riser 2 Slot 5, it blocks Riser 2 Slot 6, preventing simultaneous selection of these adjacent PCIe slots.
- Please refer to [C240 M8 Installation Guide](#) for the installation of the GPUs.

Table 20 Available PCIe GPU Cards

GPU Product ID (PID)	PID Description	Card Size	Max GPU Per Node	Riser Slot Compatibility	
				Riser 2A/2C	Riser 3A/3C
HCI-GPU-H100-NVL	NVIDIA H100 NVL, 400W, 94GB, 2-slot FHFL GPU	double-wide	1	slot 5	n/a
HCI-GPU-L40S	NVIDIA L40S: 350W, 48GB, 2-slot FHFL GPU	double-wide	1	slot 5	n/a
HCI-GPU-L4	NVIDIA L4:70W, 24GB, 1-slot HHHL GPU	Single-wide	5	All slots	All slots
Accessories/spare included with GPU:					
<ul style="list-style-type: none"> ■ When a GPU ready configuration is ordered, special airblocker PID (UCSC-RISAB-24XM7) are installed in empty risers. ■ Air duct (UCSC-GPUAD-C240M8L) is not auto-included with the double wide GPUs, however it is required selection under configuration. For GPU UCSC-GPU-L4 air duct is not required. ■ CBL-G5GPU-C240M7 power cable included with the selection of L40S and H100-NVL GPUs. 					
NOTE: If you are adding GPUs later to non GPU ready configuration, you need to order the GPU air duct and GPU airblockers along with the GPU.					

STEP 13 SELECT POWER SUPPLY (REQUIRED)

Power supplies share a common electrical and physical design that allows for hot-plug and tool-less installation into M8 C-series servers. Each power supply is certified for high-efficiency operation and offers multiple power output options. This allows users to “right-size” based on server configuration, which improves power efficiency, lowers overall energy costs and avoids stranded capacity in the data center.

Use the power calculator at the following link to determine the needed power based on the options chosen (CPUs, drives, memory, and so on):

<http://ucspowercalc.cisco.com>



WARNING:

- Starting 1st January 2024, only Titanium rated PSUs are allowed to be shipped to European Union (EU), European Economic Area (EEA), United Kingdom (UK), Switzerland and other countries that adopted Lot 9 Regulation.
- DC PSUs are not impacted by Lot 9 Regulation and are EU/UK Lot 9 compliant

Table 21 Power Supply

Product ID (PID)	PID Description
PSU (Input High Line 210VAC)	
HCI-PSU1-1200W	1200W Titanium power supply for C-Series Servers
HCI-PSUV21050D	Cisco UCS 1050W -48V DC Power Supply for Rack Server
HCI-PSU1-1600W	UCS 1600W AC PSU Platinum (Not EU/UK Lot 9 Compliant)
HCI-PSU1-2300W	Cisco UCS 2300W AC Power Supply for Rack Servers Titanium
PSU (Input Low Line 110VAC)	
HCI-PSU1-1200W	1200W Titanium power supply for C-Series Servers Titanium
HCI-PSU1-2300W	2300W Power supply for C-series servers Titanium



NOTE:

- In a server with two power supplies, both power supplies must be identical.
- Refer to [Power Specifications, page 108](#) section for the full details on each power supply.

STEP 14 SELECT INPUT POWER CORD(s) (REQUIRED)

Using [Table 22](#) and [Table 23](#), select the appropriate AC power cords. You can select a minimum of no power cords and a maximum of two. If you select the option R2XX-DMYMPWRCORD, no power cord is shipped with the server.



NOTE: [Table 22](#) lists the power cords for servers that use power supplies less than 2300 W. [Table 23](#) lists the power cords for servers that use 2300 W power supplies. Note that the power cords for 2300 W power supplies use a C19 connector so they only fit the 2300 W power supply connector.

Table 22 Available Power Cords (for server PSUs less than 2300 W)

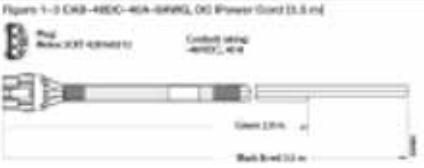
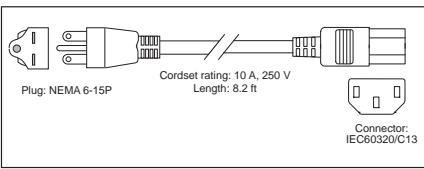
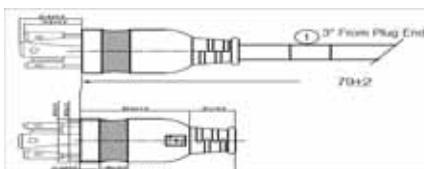
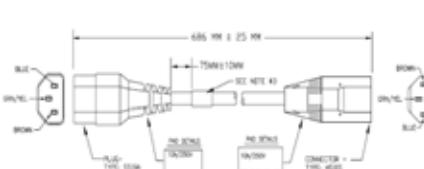
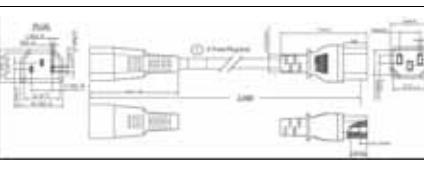
Product ID (PID)	PID Description	Images
NO-POWER-CORD	ECO friendly green option, no power cable will be shipped	
CAB-48DC-40A-8AWG	C-Series -48VDC PSU Power Cord, 3.5M, 3 Wire, 8AWG, 40A	
CAB-N5K6A-NA	Power Cord, 200/240V 6A, North America	
CAB-AC-L620-C13	AC Power Cord, NEMA L6-20 - C13, 2M/6.5ft	
CAB-C13-CBN	CABASY,WIRE,JUMPER CORD, 27" L, C13/C14, 10A/250V	
CAB-C13-C14-2M	CABASY,WIRE,JUMPER CORD, PWR, 2 Meter, C13/C14,10A/250V	

Table 22 Available Power Cords (for server PSUs less than 2300 W)

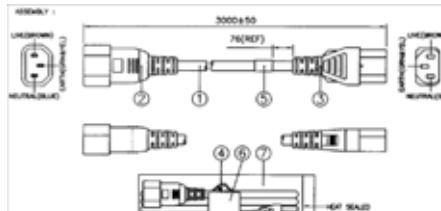
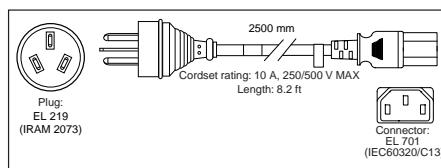
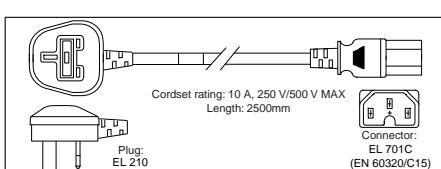
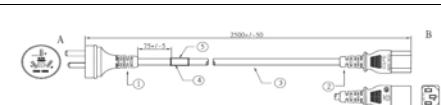
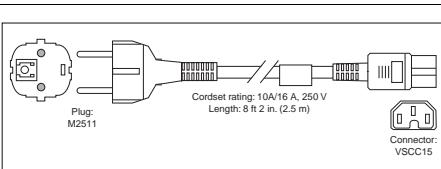
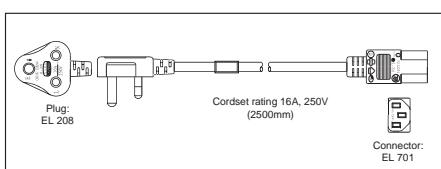
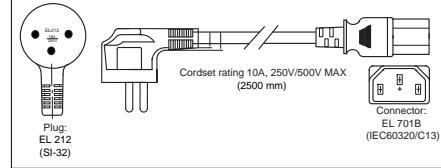
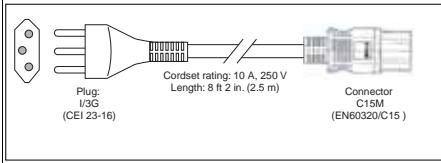
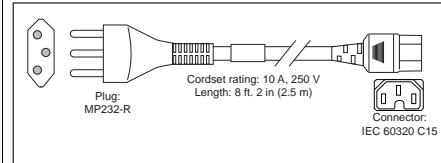
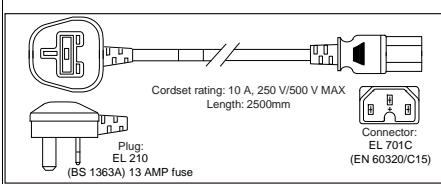
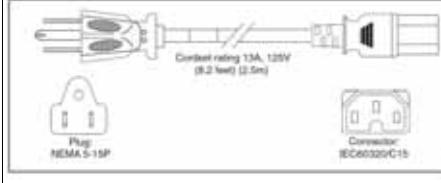
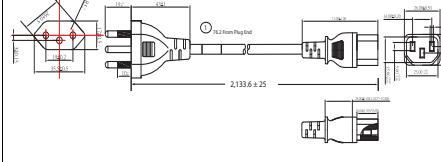
Product ID (PID)	PID Description	Images
CAB-C13-C14-AC	CORD,PWR,JMP,IEC60320/C14,IEC60320/C13, 3.0M	
CAB-250V-10A-AR	Power Cord, 250V, 10A, Argentina	
CAB-9K10A-AU	Power Cord, 250VAC 10A 3112 Plug, Australia	
CAB-250V-10A-CN	AC Power Cord - 250V, 10A - PRC	
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	
CAB-250V-10A-ID	Power Cord, 250V, 10A, India	
CAB-C13-C14-3M-IN	Power Cord Jumper, C13-C14 Connectors, 3 Meter Length, India	Image not available
CAB-C13-C14-IN	Power Cord Jumper,C13-C14 Connectors,1.4 Meter Length, India	Image not available
CAB-250V-10A-IS	Power Cord, SFS, 250V, 10A, Israel	

Table 22 Available Power Cords (for server PSUs less than 2300 W)

Product ID (PID)	PID Description	Images
CAB-9K10A-IT	Power Cord, 250VAC 10A CEI 23-16/VII Plug, Italy	 Plug: I/3G (CEI 23-16) Cordset rating: 10 A, 250 V Length: 8 ft 2 in. (2.5 m) Connector: C15M (EN60320/C15)
CAB-9K10A-SW	Power Cord, 250VAC 10A MP232 Plug, Switzerland	 Plug: MP232-R Cordset rating: 10 A, 250 V Length: 8 ft. 2 in (2.5 m) Connector: IEC 60320 C15
CAB-9K10A-UK	Power Cord, 250VAC 10A BS1363 Plug (13 A fuse), UK	 Plug: EL 210 (BS 1363A) 13 AMP fuse Cordset rating: 10 A, 250 V/500 V MAX Length: 2500mm Connector: EL 701C (EN 60320/C15)
CAB-9K12A-NA ¹	Power Cord, 125VAC 13A NEMA 5-15 Plug, North America	 Plug: NEMA 5-15P Cordset rating 13A, 125V (3.2 feet) [1m] Connector: IEC60320/C15
CAB-250V-10A-BR	Power Cord - 250V, 10A - Brazil	
CAB-C13-C14-2M-JP	Power Cord C13-C14, 2M/6.5ft Japan PSE mark	Image not available
CAB-9K10A-KOR ¹	Power Cord, 125VAC 13A KSC8305 Plug, Korea	Image not available
CAB-ACTW	AC Power Cord (Taiwan), C13, EL 302, 2.3M	Image not available
CAB-JPN-3PIN	Japan, 90-125VAC 12A NEMA 5-15 Plug, 2.4m	Image not available
CAB-48DC-40A-INT	C-Series -48VDC PSU PWR Cord, 3.5M, 3 Wire, 8AWG, 40A (INT)	Image not available
CAB-48DC-40A-ASD	C-Series -48VDC PSU PWR Cord, 3.5M, 3Wire, 8AWG, 40A (AS/NZ)	Image not available

Notes:

1. This power cord is rated to 125V and only supported for PSU rated at 1050W or less

Table 23 Available Power Cords (for servers with 2300 W PSUs)

Product ID (PID)	PID Description	Images
CAB-C19-CBN	Cabinet Jumper Power Cord, 250 VAC 16A, C20-C19 Connectors	Not applicable
CAB-S132-C19-ISRL	S132 to IEC-C19 14ft Israeli	Image not available
CAB-IR2073-C19-AR	IRSM 2073 to IEC-C19 14ft Argen	Image not available
CAB-BS1363-C19-UK	BS-1363 to IEC-C19 14ft UK	Image not available
CAB-SABS-C19-IND	SABS 164-1 to IEC-C19 India	Image not available
CAB-C2316-C19-IT	CEI 23-16 to IEC-C19 14ft Italy	Image not available
CAB-US515P-C19-US	NEMA 5-15 to IEC-C19 13ft US	Image not available
CAB-US520-C19-US	NEMA 5-20 to IEC-C19 14ft US	Image not available
CAB-US620P-C19-US	NEMA 6-20 to IEC-C19 13ft US	Image not available
NO-POWER-CORD	ECO friendly green option, no power cable will be shipped	Image not available

STEP 15 SELECT TOOL-LESS RAIL KIT (REQUIRED) AND REVERSIBLE CABLE MANAGEMENT ARM (OPTIONAL)

■ Tool-less Rail Kit:

Select a tool-less rail kit (or no rail kit) from [Table 24](#).

NOTE:

- Cisco recommends a minimum quantity of 1 Rail Kit
 - If you plan to rackmount your server, you must order a tool-less rail kit.
-

Table 24 Tool-less Rail Kit Options

Product ID (PID)	PID Description
HCI-RAIL-M7	Ball Bearing Rail Kit for M8 servers
HCI-RAIL-NONE	No rail kit option

■ Optional Reversible Cable Management Arm:

The reversible cable management arm mounts on either the right or left slide rails at the rear of the server and is used for cable management. Select an Optional Reversible Cable Management Arm from [Table 25](#).



NOTE: If you plan to rackmount your server, you must order a tool-less rail kit. The same rail kits and CMAs are used for M6 and M7 servers.

Table 25 Cable Management Arm

Product ID (PID)	PID Description
HCI-CMA-C240M7	Reversible CMA for M8 ball bearing rail kit

For more information about the tool-less rail kit and cable management arm, check the [C240 M8 Installation Guide](#).

STEP 16 SELECT SECURITY DEVICES (REQUIRED)

A Trusted Platform Module (TPM) is a computer chip (microcontroller) that can securely store artifacts used to authenticate the platform (server). These artifacts can include passwords, certificates, or encryption keys. A TPM can also be used to store platform measurements that help ensure that the platform remains trustworthy. Authentication (ensuring that the platform can prove that it is what it claims to be) and attestation (a process helping to prove that a platform is trustworthy and has not been breached) are necessary steps to ensure safer computing in all environments.

A chassis intrusion switch gives a notification of any unauthorized mechanical access into the server.

The security device ordering information is listed in *Table 26*.



NOTE:

- The TPM module used in this system conforms to TPM 2.0, as defined by the Trusted Computing Group (TCG). It is also SPI-based.
- TPM installation is supported after-factory. However, a TPM installs with a one-way screw and cannot be replaced, upgraded, or moved to another server. If a server with a TPM is returned, the replacement server must be ordered with a new TPM.

Table 26 Security Devices

Product ID (PID)	PID Description
HCI-TPM-002D	TPM 2.0 TCG FIPS140-2 CC+ Cert M7/M8 Intel MSW2022 Compliant
HCI-TPM-OPT-OUT	OPT OUT, TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified ¹
HCI-INT-SW02	M8 Chassis Intrusion Switch

Notes:

1. Please note that Microsoft certification requires a TPM 2.0 for bare-metal or guest VM deployments. Opt-out of the TPM 2.0 voids the Microsoft certification

STEP 17 SELECT GUEST VM OPERATING SYSTEM LICENSES

Select VM Operating System Licenses desired from [Table 27](#)



NOTE: Microsoft operating system: Optional Microsoft guest OS license that may be purchased for Virtual Machines that run on top of AHV hypervisor.

Table 27 Guest VM Operating System Licenses

Product ID (PID)	PID Description
Microsoft Options	
MSWS-25-ST16C	Windows Server 2025 Standard, 16 Cores
MSWS-25-ST16C-NS	Windows Server 2025 Standard, 16 Cores - No Cisco SVC
MSWS-25-ST24C	Windows Server 2025 Standard, 24 Cores
MSWS-25-ST24C-NS	Windows Server 2025 Standard, 24 Cores - No SVC
MSWS-25-DC16C	Windows Server 2025 Datacenter, 16 Cores
MSWS-25-DC16C-NS	Windows Server 2025 Datacenter, 16 Cores - No SVC
MSWS-25-DC24C	Windows Server 2025 Datacenter, 24 Cores
MSWS-25-DC24C-NS	Windows Server 2025 Datacenter, 24 Cores - No SVC

STEP 18 SELECT HYPERVERISOR

Cisco Hypervisor options are listed in *Table 28*.

Table 28 Hypervisor

Product ID (PID)	PID Description
HCI-AOSAHV-73-SWK9	Cisco Compute Hyperconverged Acropolis Operating System (AOS) Acropolis Hypervisor (AHV) 7.3 Software



NOTE:

- This solution supports AHV hypervisor option.
 - For ISM and IMM deployments bare metal imaging can be performed through Prism Central.
-

STEP 19 SELECT NUTANIX SOFTWARE AND NUTANIX PROFESSIONAL SERVICES

- Top Level Nutanix Software And Professional Services PIDs, page 40
 - Table 29, *Top Level Nutanix Software And Professional Services PIDs*
 - Table 30, *Nutanix NCI Software License Use case*
- Nutanix Software And Professional Services PID Decoder, page 42
 - Table 31.0, Nutanix Software PID Decoder (WW-XX-YY-ZZ)
 - Table 31.1, Nutanix Professional Services PID Decoder (WW-XX-YY-ZZ)
- Nutanix Software PIDs and Description, page 43
 - Table 34.0, *Nutanix Cloud Infrastructure (NCI)*
 - Table 34.1, *Nutanix Cloud Infrastructure Data (NCI-D)*
 - Table 34.2, *Nutanix Cloud Infrastructure Edge (NCI-E)*
 - Table 34.3, *End User Computing (EUC)*
 - Table 34.4, *Nutanix Cloud Manager (NCM)*
 - Table 34.5, *Nutanix Cloud Manager Edge (NME)*
 - Table 34.6, *Nutanix Cloud Manager EUC (NCM-U)*
 - Table 34.7, *Nutanix Cloud Platform (NCP)*
 - Table 34.8, *Nutanix Unified Storage™ (NUS)*
 - Table 34.9, *Nutanix Data Lens (NDL)*
 - Table 34.10, *Nutanix Kubernetes Platform (NKP)*
 - Table 34.11, *Nutanix Enterprise AI (NAI)*
- Nutanix software limited orderability, page 79
 - Table 35.0, *End User Computing Hyperspace (EUCH)*
- Professional Services PIDs and Description, page 81
 - Table 36.0, *NCI Design Workshop*
 - Table 36.1, *NCI Cluster Deployment or Expansion*
 - Table 36.2, *Virtual Machine Migration Workshop*
 - Table 36.3, *Virtual Machine Migration*
 - Table 36.4, *NCM Self-Service Design Workshop*
 - Table 36.5, *NCM Intelligent Operations Design Workshop*
 - Table 36.6, *NCM Intelligent Operations Deployment*
 - Table 36.7, *FastTrack for NCM Self-Service*
 - Table 36.8, *FastTrack for NCM Cost Governance*
 - Table 36.9, *Nutanix Flexible Credits*
- Nutanix Support:, page 91
- Software With Professional Services PID Mapping, page 92
 - *Table 38.0, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) 1 YEAR SUBSCRIPTION with professional services PID Mapping*
 - *Table 38.1, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) 3 YEAR SUBSCRIPTION with professional services PID Mapping*
 - *Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping*
 - *Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping*
 - *Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services*

Top Level Nutanix Software And Professional Services PIDs

Table 29 Top Level Nutanix Software And Professional Services PIDs

ATO Product ID (PID)	Description
NTX-SW	Nutanix Software 3Y and above  NOTE: Please refer to the complete list of Nutanix Software PIDs and Description, page 43
NTX-SW-LO	Nutanix Limited Orderable Software Offer  NOTE: Please refer to the complete list of Nutanix software limited orderability, page 79
NTX-SW-1Y	Nutanix Software 1Y  NOTE: Please refer to the complete list of Nutanix Software PIDs and Description, page 43
NTX-NCI-USE-CASE ¹	Nutanix NCI Software License Use case  NOTE: Please refer to the complete list of Nutanix Software PIDs and Description, page 43
NTX-SW-PS	Nutanix Professional Service  NOTE: Please refer to the complete list of Professional Services PIDs and Description, page 81

Notes:

1. A selection of NTX-NCI-USE-CASE from Nutanix Software Category is required when Nutanix Cloud Infrastructure Software License (NCI / NCI-D / NCI-E) is selected. There are a few conditions under which NT-PUBLIC-CLOUD can be used. refer to the [KB article](#) for more details. Please choose one of them from the [Table 30](#), if you select the NTX-NCI-USE-CASE.

Table 30 Nutanix NCI Software License Use case

Product ID (PID)	Description
NT-ON-PREM-UCS	Use Case to License Nutanix SW on Certified Cisco UCS HW
NT-PUBLIC-CLOUD	Use Case to License Nutanix SW (NC2) Running in Public Cloud (AWS/Azure) Hide
NT-OTHER	Use Case for all other Nutanix SW that is not covered above



NOTE:**(1) 1 Year Subscription term:**

- All Nutanix software package subscription requires **mandatory** attach of Nutanix Professional Services.

(2) 3 Year Subscription term:

- For Nutanix Cloud Infrastructure (NCI) software, it is **recommended** to attach Nutanix Professional Services during ordering.
- For Nutanix Cloud Manager (NCM) software, only Professional (PRO) subscription and Ultimate (ULT) subscription requires **mandatory** Nutanix Professional Services.

(3) Nutanix NCI Software License Use case:

- Ratio of cores between cloud and on-prem must be 70/30 or greater, meaning >=30% of cores must be licensed for on-prem usage. Cloud only deals, public cloud marketplace deals, and hybrid cloud deals with other vendor hardware are not allowed.
- Must include mention of hybrid cloud in your Nutanix deal registration.
- Must select the appropriate public cloud use-case SKU when building a CCW configuration.

(4) Any future expansion opportunity does not require **mandatory Nutanix Professional Services attach.**

(5) Cisco and Nutanix products are each subject to their own terms and conditions, including support timelines and milestones. This includes the Nutanix Cloud Platform software and qualified Cisco UCS hardware platforms sold together as part of the Cisco Compute Hyperconverged with Nutanix solution. Carefully review [Nutanix's EoL portal](#) for support timelines by hardware platform. Cisco's UCS hardware support milestones may not align with Nutanix's support milestones. Therefore, it is important to plan your hardware and software refresh cycles based on the earlier of the two dates (hardware support from Cisco and software support from Nutanix). It is your responsibility to check the Nutanix software term length desired against the support time frames for the quoted UCS hardware platform.

Nutanix licenses are transferable to newer generation Cisco UCS platforms subject to Nutanix's end user license agreement. Refer to [Nutanix's Support FAQs](#) for details and definitions of Nutanix's End of Life and End of Support Life milestones. Refer to [Cisco's EoL policy](#) for details and definitions of Cisco's End of Life and Last Date of Support milestones.

Nutanix Software And Professional Services PID Decoder

Table 31.0 Nutanix Software PID Decoder (WW-XX-YY-ZZ)

Identifier#1 (WW)	Identifier#2 (XX)	Identifier#3 (YY)	Identifier#4 (ZZ)
Nutanix Product Family:	Nutanix Software Type/Category: NT NCI: Nutanix Cloud Infrastructure NCI-D: Nutanix Cloud Infrastructure Data NCI-E: Nutanix Cloud Infrastructure Edge EUC: End User Computing NCM: Nutanix Cloud Manager NME: Nutanix Cloud Manager Edge NCM-U: Nutanix Cloud Manager End User Computing NCP: Nutanix Cloud Platform NUS: Nutanix Unified Storage™ NDL: Nutanix Data Lens NKP: Nutanix Kubernetes Platform NAI: Nutanix Enterprise AI EUCH: END User Computing Hyperspace	License Tiers: STR: Starter PRO: Professional ULT: Ultimate	Support Tier: PR: Production MC: Mission Critical AP: (ASP Production) AM: (ASP Mission Critical) FP: US Federal Production FM: US Federal Mission Critical
NOTE: Note for example “NT-NCI-STR-PR” PID can be decoded as, NT=Nutanix, NCI=Nutanix Cloud Infrastructure, STR=Starter, PR=Production			

Table 31.1 Nutanix Professional Services PID Decoder (WW-XX-YY-ZZ)

Identifier#1 (WW)	Identifier#2 (XX)	Identifier#3 (YY)	Identifier#4 (ZZ)
Nutanix Product Family:	Nutanix Professional Services Offering: NT Design W-DS: NCI Design Workshop W-SSD: NCM Self-Service Design Workshop W-OD: NCM Intelligent Operations Design Workshop Deploy S-DP: NCI Cluster Deployment or Expansion S-OP: NCM Intelligent Operations Deployment F-SS: FastTrack for NCM Self-Service F-CG: FastTrack for NCM Cost Governance Migrate W-MG: Virtual Machine Migration Workshop S-MG-VM: Virtual Machine Migration Custom FLEX-CST-CR: Flexible Credits	Nutanix Product Tier: STR: Starter PRO: Professional ULT: Ultimate	Nutanix Professional Services Option: Design ED: Enhanced Documentation SD: Standard Documentation Deploy AV-PB: Pro AHV Nodes Base AV-PV: Pro AHV Nodes Variable EX-PB: Pro ESX Nodes Base EX-PV: Pro ESX Nodes Variable AV-SB: Starter AHV Nodes Base AV-SV: Starter AHV Nodes Variable EX-SB: Starter ESX Nodes Base EX-SV: Starter ESX Nodes Variable AVB: Starter AHV Nodes Base AVV: Starter AHV Nodes Variable EXB: Starter ESX Nodes Base EXV: Starter ESX Nodes Variable AV-UB: Ultimate AHV Nodes Base AV-UV: Ultimate AHV Nodes Variable EX-UB: Ultimate ESX Nodes Base EX-UV: Ultimate ESX Nodes Variable
NOTE: Note for example “NT-W-DS-STR-SD” PID can be decoded as, NT=Nutanix, W-DS= Design Workshop, STR=Starter, SD= Standard Documentation			

Nutanix Software PIDs and Description

Table 32 Software Options and Metric

Software Option	Software Description	Metric
Nutanix Cloud Infrastructure (NCI)	NCI is a complete software stack to unify your hybrid cloud infrastructure including compute, storage and network, hypervisors, and containers, in public or enterprise clouds	Per Core
Nutanix Cloud Infrastructure Data (NCI-D)	Delivers rich data and storage services but does not include Nutanix compute and networking capabilities. No support for AHV	Per Core
Nutanix Cloud Infrastructure Edge (NCI-Edge)	Nutanix Cloud Infrastructure - Edge (NCI-Edge) provides a distributed infrastructure platform for small edge deployments. NCI-Edge provides the same capabilities as NCI, combining compute, storage, and networking resources from a cluster of servers into a single logical pool with integrated resiliency, security, performance, and simplified administration.	Per VM
Nutanix Cloud Manager (NCM)	NCM offers intelligent operations, self service and orchestration, visibility and governance of spend, security and teams	Per Core
Nutanix Cloud Manager Edge (NCM-E)	Provides NCM capabilities for Edge deployments	Per VM
Nutanix Cloud Manager EUC (NCM-U)	Provides NCM capabilities in VDI use cases	Per User
Nutanix Cloud Platform (NCP)	Bundle for NCI and NCM	Per Core
Nutanix Unified Storage™ (NUS)	Nutanix Unified Storage™ (NUS) is a software-defined data services platform that consolidates the management and protection of siloed block, file, and object storage into a single, unified platform.	Per TIB
Nutanix Data Lens (NDL)	Nutanix Data Lens is a SaaS-based cyberstorage solution offering ransomware resilience and global data visibility for unstructured data on Nutanix Unified Storage (NUS).	Per TIB
End User Computing (EUC)	on-prem VDI and Desktop as a Service (DaaS) use cases	Per User
Nutanix Kubernetes Platform (NKP)	Nutanix Kubernetes Platform (NKP) combines the Nutanix Kubernetes Engine (NKE) features with their acquisition of the D2iQ product family to bring a consolidated runtime, orchestration, and management environment to our cloud native customers.	Per Core/Per VM ¹
Nutanix Enterprise AI (NAI)	Nutanix Enterprise AI is a comprehensive software platform designed to simplify and secure the deployment, management, and scaling of generative AI (GenAI) applications.	Per Core/vCPU and GB ²

Notes:

1. For NKP FS STR/PRO/ULT, the metric is calculated per core, whereas for NKP PRO/ULT, the calculated is measured per VM.
2. For NAI both per core/vCPU and GPU memory (GB) licenses are required.

Table 33 Nutanix Software License Tiers

NCI Starter	NCI Professional	NCI Ultimate
<p>Core set of software functionality</p> <p>Ideal for: Small-scale deployments with a limited set of workloads (on-prem only)</p>	<p>Rich data services, resilience and management features</p> <p>Ideal for: Running multiple applications or large-scale single workload deployments (on-prem or in public clouds)</p>	<p>Full suite of Nutanix software capabilities to tackle complex infrastructure challenges</p> <p>Ideal for: Multi-site deployments and advanced security requirements (on-prem or in public clouds)</p>

**NOTE:**

- Prism Central will be required for all licensing actions.
- Licenses are portable across Cisco hardware platforms in HCL.

(1) Nutanix Cloud Infrastructure (NCI):

Nutanix Cloud Infrastructure (NCI) converges the entire datacenter stack, including compute, storage, storage networking, and virtualization and is at the core of creating a hyperconverged infrastructure environment. Complex and expensive legacy infrastructure is replaced by NCI, running on industry-standard servers loaded with the latest hardware technologies. This allows enterprises to deploy what you need for the short term, and scale on-demand as infrastructure needs increase over time. Each server, often referred to as a node in the context of HCI, is an x86 platform with direct-attached storage drives. NCI software runs on each node, distributing all operating functions across the cluster for superior performance and resilience, and enabling seamless scalability.



NOTE:

- For more information about Nutanix Cloud Infrastructure (NCI), please visit <https://www.nutanix.com/products/nutanix-cloud-infrastructure>
- For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
- Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines (<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
- Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeck.cisco.com/article/nutanix-support-for-federal-customers.html>
- Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. for the complete list visit <https://computeck.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>
- The quantity of NCI license must match with total number for processor cores in hardware platforms.

Table 34.0 Nutanix Cloud Infrastructure (NCI)

Product ID (PID)	PID Description
STR - STARTER	
NT-NCI-STR-PR	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License & Production Software Support Service for 1 CPU Core
NT-NCI-STR-MC	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCI-STR-AP	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-STR-AM	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)

Table 34.0 Nutanix Cloud Infrastructure (NCI)

NT-NCI-STR-FP	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCI-STR-FM	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License & Federal Mission Critical Software Support Service for 1 CPU Core
PRO - PROFESSIONAL	
NT-NCI-PRO-PR	Subscription, Nutanix Cloud Infrastructure (NCI) Pro Software License & Production Software Support Service for 1 CPU Core
NT-NCI-PRO-MC	Subscription, Nutanix Cloud Infrastructure (NCI) Pro Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCI-PRO-AP	Subscription, Nutanix Cloud Infrastructure (NCI) Professional Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-PRO-AM	Subscription, Nutanix Cloud Infrastructure (NCI) Professional Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-PRO-FP	Subscription, Nutanix Cloud Infrastructure (NCI) Pro Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCI-PRO-FM	Subscription, Nutanix Cloud Infrastructure (NCI) Pro Software License & Federal Mission Critical Software Support Service for 1 CPU Core
ULT - ULTIMATE	
NT-NCI-ULT-PR	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License & Production Software Support Service for 1 CPU Core
NT-NCI-ULT-MC	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCI-ULT-AP	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-ULT-AM	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License & Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-ULT-FP	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCI-ULT-FM	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License & Federal Mission Critical Software Support Service for 1 CPU Core
ADVANCED REPLICATION	
NT-A-NCI-ADR-PR	Subscription, Nutanix Cloud Infrastructure (NCI) Advanced Replication add-on Software License & Production Software Support Service for 1 CPU Core
NT-A-NCI-ADR-MC	Subscription, Nutanix Cloud Infrastructure (NCI) Advanced Replication add-on Software License & Mission Critical Software Support Service for 1 CPU Core

Table 34.0 Nutanix Cloud Infrastructure (NCI)

NT-A-NCI-ADR-AP	Subscription, Nutanix Cloud Infrastructure (NCI) Advanced Replication add-on Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-A-NCI-ADR-AM	Subscription, Nutanix Cloud Infrastructure (NCI) Advanced Replication add-on Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-A-NCI-ADR-FP	Subscription, Nutanix Cloud Infrastructure (NCI) Advanced Replication add-on Software License & Federal Production Software Support Service for 1 CPU Core
NT-A-NCI-ADR-FM	Subscription, Nutanix Cloud Infrastructure (NCI) Advanced Replication add-on Software License & Federal Mission Critical Software Support Service for 1 CPU Core
SECURITY	
NT-A-NCI-SEC-PR	Subscription, Nutanix Cloud Infrastructure (NCI) Security add-on Software License & Production Software Support Service for 1 CPU Core
NT-A-NCI-SEC-MC	Subscription, Nutanix Cloud Infrastructure (NCI) Security add-on Software License & Mission Critical Software Support Service for 1 CPU Core
NT-A-NCI-SEC-AP	Subscription, Nutanix Cloud Infrastructure (NCI) Security add-on Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-A-NCI-SEC-AM	Subscription, Nutanix Cloud Infrastructure (NCI) Security add-on Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-A-NCI-SEC-FP	Subscription, Nutanix Cloud Infrastructure (NCI) Security add-on Software License & Federal Production Software Support Service for 1 CPU Core
NT-A-NCI-SEC-FM	Subscription, Nutanix Cloud Infrastructure (NCI) Security add-on Software License & Federal Mission Critical Software Support Service for 1 CPU Core

Table 38.0, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 38.1, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) 3 YEAR SUBSCRIPTION with professional services PID Mapping

(2) Nutanix Cloud Infrastructure Data (NCI-D):

Nutanix supports freedom of choice of hypervisor and container platform, by offering a version called NCI Data that delivers rich data and storage services but does not include Nutanix compute and networking capabilities. Support for Hypervisor specific features, such as GPU support on ESXi, is not impacted by NCI Data licensing tiers.



NOTE:

- For more information about Nutanix Cloud Infrastructure (NCI), please visit <https://www.nutanix.com/products/nutanix-cloud-infrastructure>
- For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options> Please note, the grey rows in the software options table under NCI are not included in NCI Data.
- Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines(<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
- Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
- Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. for the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>
- The quantity of NCI-D license must match with total number for processor cores in hardware platforms.

Table 34.1 Nutanix Cloud Infrastructure Data (NCI-D)

Product ID (PID)	PID Description
STR - STARTER	
NT-NCI-D-STR-PR	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Starter Software License & Production Software Support Service for 1 CPU Core
NT-NCI-D-STR-MC	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Starter Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCI-D-STR-AP	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Starter Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-D-STR-AM	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Starter Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-D-STR-FP	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Starter Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCI-D-STR-FM	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Starter Software License & Federal Mission Critical Software Support Service for 1 CPU Core

Table 34.1 Nutanix Cloud Infrastructure Data (NCI-D)

PRO - PROFESSIONAL	
NT-NCI-D-PRO-PR	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Pro Software License & Production Software Support Service for 1 CPU Core
NT-NCI-D-PRO-MC	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Pro Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCI-D-PRO-AP	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Pro Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-D-PRO-AM	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Pro Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-D-PRO-FP	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Pro Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCI-D-PRO-FM	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Pro Software License & Federal Mission Critical Software Support Service for 1 CPU Core
ULT - ULTIMATE	
NT-NCI-D-ULT-PR	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Ultimate Software License & Production Software Support Service for 1 CPU Core
NT-NCI-D-ULT-MC	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Ultimate Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCI-D-ULT-AP	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Ultimate Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-D-ULT-AM	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Ultimate Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCI-D-ULT-FP	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Ultimate Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCI-D-ULT-FM	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Ultimate Software License & Federal Mission Critical Software Support Service for 1 CPU Core
ADVANCED REPLICATION	
NT-A-NCI-D-ADR-PR	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Advanced Replication add-on Software License & Production Software Support Service for 1 CPU Core
NT-A-NCI-D-ADR-MC	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Advanced Replication add-on Software License & Mission Critical Software Support Service for 1 CPU Core
NT-A-NCI-D-ADR-AP	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Advanced Replication add-on Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)

Table 34.1 Nutanix Cloud Infrastructure Data (NCI-D)

NT-A-NCI-D-ADR-AM	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Advanced Replication add-on Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-A-NCI-D-ADR-FP	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Advanced Replication add-on Software License & Federal Production Software Support Service for 1 CPU Core
NT-A-NCI-D-ADR-FM	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Advanced Replication add-on Software License & Federal Mission Critical Software Support Service for 1 CPU Core
SECURITY	
NT-A-NCI-D-SEC-PR	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Security add-on Software License & Production Software Support Service for 1 CPU Core
NT-A-NCI-D-SEC-MC	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Security add-on Software License & Mission Critical Software Support Service for 1 CPU Core
NT-A-NCI-D-SEC-AP	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Security add-on Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-A-NCI-D-SEC-AM	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Security add-on Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-A-NCI-D-SEC-FP	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Security add-on Software License & Federal Production Software Support Service for 1 CPU Core
NT-A-NCI-D-SEC-FM	Subscription, Nutanix Cloud Infrastructure Data (NCI-D) Security add-on Software License & Federal Mission Critical Software Support Service for 1 CPU Core

Table 38.0, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 38.1, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) 3 YEAR SUBSCRIPTION with professional services PID Mapping

(3) Nutanix Cloud Infrastructure Edge (NCI-E):

Nutanix Cloud Infrastructure - Edge (NCI-E) provides a distributed infrastructure platform for small edge deployments. NCI-Edge provides the same capabilities as NCI, combining compute, storage, and networking resources from a cluster of servers into a single logical pool with integrated resiliency, security, performance, and simplified administration. With NCI-Edge, organizations can efficiently extend the Nutanix platform to remote office/branch office (ROBO) and other edge use cases.

- 1 TiB of NUS Pro per NCI-Edge cluster is included at no cost with NCI-Edge.
- NCI-Edge licenses must run on a dedicated licensed cluster with no core-based licensing. Mixing of NCI-Edge licenses with other types of NCI licensing within a cluster is not supported.
- NCI-Edge can be used with any cluster deployment type as long as the conditions mentioned are followed.
- Maximum nodes for the Edge cluster is 5.

NOTE:



- For more information about Nutanix Cloud Infrastructure (NCI), please visit <https://www.nutanix.com/products/nutanix-cloud-infrastructure>
- For more information about Nutanix NCI Edge software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
- Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines (<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
- Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
- Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. for the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>
- NCI-Edge is limited to a maximum of 25 VMs in a cluster, with each VM being limited to a maximum of 96GB of memory.
- The quantity of NCI-Edge license must match with Total number for VMs running in the cluster.
- For the purpose of calculation, internal VMs (or Nutanix infrastructure VMs) such as Controller VM or Prism Central VM are not counted.

Table 34.2 Nutanix Cloud Infrastructure Edge (NCI-E)

Product ID (PID)	PID Description
STR - STARTER	
NT-NCI-E-STR-PR	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License for Edge sites & Production Software Support Service for 1 VM
NT-NCI-E-STR-MC	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License for Edge sites & Mission Critical Software Support Service for 1 VM
NT-NCI-E-STR-AP	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License for Edge sites & L3 Production Software Support Service for 1 VM (Authorized Support Partners provides L1, L2 support)

Table 34.2 Nutanix Cloud Infrastructure Edge (NCI-E)

NT-NCI-E-STR-AM	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License for Edge sites & L3 Mission Critical Software Support Service for 1 VM (Authorized Support Partners provides L1, L2 support)
NT-NCI-E-STR-FP	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License for Edge sites & Federal Production Software Support Service for 1 VM
NT-NCI-E-STR-FM	Subscription, Nutanix Cloud Infrastructure (NCI) Starter Software License for Edge sites & Federal Mission Critical Software Support Service for 1 VM
PRO - PROFESSIONAL	
NT-NCI-E-PRO-PR	Subscription, Nutanix Cloud Infrastructure (NCI) Pro Software License for Edge sites & Production Software Support Service for 1 VM
NT-NCI-E-PRO-MC	Subscription, Nutanix Cloud Infrastructure (NCI) Pro Software License for Edge sites & Mission Critical Software Support Service for 1 VM
NT-NCI-E-PRO-AP	Subscription, Nutanix Cloud Infrastructure (NCI) Pro Software License for Edge sites & L3 Production Software Support Service for 1 VM (Authorized Support Partners provides L1, L2 support)
NT-NCI-E-PRO-AM	Subscription, Nutanix Cloud Infrastructure (NCI) Pro Software License for Edge sites & L3 Mission Critical Software Support Service for 1 VM (Authorized Support Partners provides L1, L2 support)
NT-NCI-E-PRO-FP	Subscription, Nutanix Cloud Infrastructure (NCI) Pro Software License for Edge sites & Federal Production Software Support Service for 1 VM
NT-NCI-E-PRO-FM	Subscription, Nutanix Cloud Infrastructure (NCI) Pro Software License for Edge sites & Federal Mission Critical Software Support Service for 1 VM
ULT - ULTIMATE	
NT-NCI-E-ULT-PR	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License for Edge sites & Production Software Support Service for 1 VM
NT-NCI-E-ULT-MC	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License for Edge sites & Mission Critical Software Support Service for 1 VM
NT-NCI-E-ULT-AP	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License for Edge sites & L3 Production Software Support Service for 1 VM (Authorized Support Partners provides L1, L2 support)
NT-NCI-E-ULT-AM	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License for Edge sites & L3 Mission Critical Software Support Service for 1 VM (Authorized Support Partners provides L1, L2 support)
NT-NCI-E-ULT-FP	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License for Edge sites & Federal Production Software Support Service for 1 VM
NT-NCI-E-ULT-FM	Subscription, Nutanix Cloud Infrastructure (NCI) Ultimate Software License for Edge sites & Federal Mission Critical Software Support Service for 1 VM

Table 38.0, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 38.1, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) 3 YEAR SUBSCRIPTION with professional services PID Mapping

(4) End User Computing (EUC):

Per user model offers hybrid cloud infrastructure capabilities appropriate for on-prem virtual desktop infrastructure (VDI) and Desktop as a Service (DaaS) use cases with pricing based on a Maximum Concurrent User basis (maximum number of provisioned end-user VMs). EUC per user is an alternative to the core-based NCI licensing option and is designed to provide simple, transparent licensing for all VDI users, regardless of the underlying hardware, hypervisor, or cloud.

- Agnostic: Works with any EUC management platform including Citrix Virtual Apps & Desktops and VMware Horizon
- Term license: Term license must run on a dedicated software licensed VDI cluster with no core-based licensing. Mixing of non-VDI workloads is not supported
- Unified Storage: Built-in and also available as a per TiB base add-on
- No additional license cost for DR site
- Portable across on-premises and public cloud, public cloud use requires Ultimate edition
- Available in Starter, Pro, and Ultimate editions
- Cloud Native and Database Service Add-ons not available with NCI EUC. Advanced Replication and Security Add-on features require NCI Ultimate edition

	EUC STARTER	EUC PROFESSIONAL	VDI ULTIMATE
NCI Feature Set	Everything in NCI Starter	Everything in NCI Professional	Everything in NCI Ultimate
Nutanix Unified Storage	1 TiB Free Capacity	50 GB Per User	100GB Per User

NOTE:



- For more information on End User Computing (EUC), please visit <https://www.nutanix.com/solutions/end-user-computing>
 - For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
 - If the end user wants to run a mixed workload on same server (virtual machines that are not part of the VDI environment), NCI license is required.
 - Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines(<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
 - Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
 - Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. for the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>
 - For ‘PURE’ EUC/VDI environment, there is no NCI license required.
-

Table 34.3 End User Computing (EUC)

Product ID (PID)	PID Description
STR - STARTER	
NT-EUC-STR-PR	Subscription, End User Computing (EUC) Starter Software License & Production Software Support Service for 1 User
NT-EUC-STR-MC	Subscription, End User Computing (EUC) Starter Software License & Mission Critical Software Support Service for 1 User
NT-EUC-STR-AP	Subscription, End User Computing (EUC) Starter Software License & L3 Production Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)
NT-EUC-STR-AM	Subscription, End User Computing (EUC) Starter Software License & L3 Mission Critical Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)
NT-EUC-STR-FP	Subscription, End User Computing (EUC) Starter Software License & Federal Production Software Support Service for 1 User
NT-EUC-STR-FM	Subscription, End User Computing (EUC) Starter Software License & Federal Mission Critical Software Support Service for 1 User
PRO- PROFESSIONAL	
NT-EUC-PRO-PR	Subscription, End User Computing (EUC) Pro Software License & Production Software Support Service for 1 User
NT-EUC-PRO-MC	Subscription, End User Computing (EUC) Pro Software License & Mission Critical Software Support Service for 1 User
NT-EUC-PRO-AP	Subscription, End User Computing (EUC) Pro Software License & L3 Production Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)
NT-EUC-PRO-AM	Subscription, End User Computing (EUC) Pro Software License & L3 Mission Critical Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)
NT-EUC-PRO-FP	Subscription, End User Computing (EUC) Pro Software License & Federal Production Software Support Service for 1 User
NT-EUC-PRO-FM	Subscription, End User Computing (EUC) Pro Software License & Federal Mission Critical Software Support Service for 1 User
ULT - ULTIMATE	
NT-EUC-ULT-PR	Subscription, End User Computing (EUC) Ultimate Software License & Production Software Support Service for 1 User
NT-EUC-ULT-MC	Subscription, End User Computing (EUC) Ultimate Software License & Mission Critical Software Support Service for 1 User
NT-EUC-ULT-AP	Subscription, End User Computing (EUC) Ultimate Software License & L3 Production Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)

Table 34.3 End User Computing (EUC)

NT-EUC-ULT-AM	Subscription, End User Computing (EUC) Ultimate Software License & L3 Mission Critical Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)
NT-EUC-ULT-FP	Subscription, End User Computing (EUC) Ultimate Software License & Federal Production Software Support Service for 1 User
NT-EUC-ULT-FM	Subscription, End User Computing (EUC) Ultimate Software License & Federal Mission Critical Software Support Service for 1 User

[Table 38.0, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP \(NCI-PRO\), NCP \(NCI-ULT\) 1 YEAR SUBSCRIPTION with professional services PID Mapping](#)

[Table 38.1, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP \(NCI-PRO\), NCP \(NCI-ULT\) 3 YEAR SUBSCRIPTION with professional services PID Mapping](#)

(5) Nutanix Cloud Manager (NCM):

Nutanix Cloud Manager (NCM) is a hybrid multi-cloud management platform for building a cloud operating model. NCM provides Intelligent Operations, Self-Service, Cost Governance, and Security natively with the Nutanix Platform or through a SaaS subscription.

- Self-service VMs and Apps are defined via simple blueprints, easily created, and managed via GUI/CLI.
- Management of IT lifecycle includes visibility, optimization, and financial control over multi-cloud deployments.
- Detect, monitor, and remediate security vulnerabilities and compliance near real-time across multiple cloud environment

NOTE:

- For more information Nutanix Cloud Manager (NCM), please visit <https://www.nutanix.com/products/cloud-manager>
 - For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
 - Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines(<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
 - Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
 - Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. For the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>
 - The quantity of NCM license must match with total number for processor cores in hardware platforms.
-

Table 34.4 Nutanix Cloud Manager (NCM)

Product ID (PID)	PID Description
STR - STARTER	
NT-NCM-STR-PR	Subscription, Nutanix Cloud Manager (NCM) Starter Software License & Production Software Support Service for 1 CPU Core
NT-NCM-STR-MC	Subscription, Nutanix Cloud Manager (NCM) Starter Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCM-STR-AP	Subscription, Nutanix Cloud Manager (NCM) Starter Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCM-STR-AM	Subscription, Nutanix Cloud Manager (NCM) Starter Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)

Table 34.4 Nutanix Cloud Manager (NCM)

NT-NCM-STR-FP	Subscription, Nutanix Cloud Manager (NCM) Starter Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCM-STR-FM	Subscription, Nutanix Cloud Manager (NCM) Starter Software License & Federal Mission Critical Software Support Service for 1 CPU Core
PRO - PROFESSIONAL	
NT-NCM-PRO-PR	Subscription, Nutanix Cloud Manager (NCM) Pro Software License & Production Software Support Service for 1 CPU Core
NT-NCM-PRO-MC	Subscription, Nutanix Cloud Manager (NCM) Pro Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCM-PRO-AP	Subscription, Nutanix Cloud Manager (NCM) Pro Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCM-PRO-AM	Subscription, Nutanix Cloud Manager (NCM) Pro Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCM-PRO-FP	Subscription, Nutanix Cloud Manager (NCM) Pro Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCM-PRO-FM	Subscription, Nutanix Cloud Manager (NCM) Pro Software License & Federal Mission Critical Software Support Service for 1 CPU Core
ULT - ULTIMATE	
NT-NCM-ULT-PR	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License & Production Software Support Service for 1 CPU Core
NT-NCM-ULT-MC	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCM-ULT-AP	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCM-ULT-AM	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCM-ULT-FP	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCM-ULT-FM	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License & Federal Mission Critical Software Support Service for 1 CPU Core
COST GOVERNANCE	
NT-NCM-CM-FP	Subscription, NCM Cost Governance as a Service for US Federal including Production Support for 1 VM
NT-NCM-CM-OV-FP	Overage, NCM Cost Governance as a Service for US Federal including Production Support for 1 VM

Table 34.4 Nutanix Cloud Manager (NCM)

NT-NCM-CM-OV-PR	Overage, NCM Cost Governance as a Service including Production Support for 1 VM
NT-NCM-CM-PR	Subscription, NCM Cost Governance as a Service including Production Support for 1 VM
SECURITY CENTRAL	
NT-NCM-SC-FP	Subscription, NCM Security Central as a Service for US Federal including Production Support for 1 VM
NT-NCM-SC-OV-FP	Overage, NCM Security Central as a Service for US Federal including Production Support for 1 VM
NT-NCM-SC-OV-PR	Overage, NCM Security Central as a Service including Production Support for 1 VM
NT-NCM-SC-PR	Subscription, NCM Security Central as a Service including Production Support for 1 VM
SELF SERVICE	
NT-NCM-SS-OV-PR	Overage, NCM Self-Service & Orchestration as a Service including Production Support for 1 VM
NT-NCM-SS-PR	Subscription, NCM Self-Service & Orchestration as a Service including Production Support for 1 VM

Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping**Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping****Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services**

(6) Nutanix Cloud Manager Edge (NME):

Nutanix Cloud Manager (NCM) is a hybrid multi-cloud management platform for building a cloud operating model. NCM provides Intelligent Operations, Self-Service, Cost Governance, and Security natively with the Nutanix Platform or through a SaaS subscription.

- Self-service VMs and Apps are defined via simple blueprints, easily created, and managed via GUI/CLI.
- Management of IT lifecycle includes visibility, optimization, and financial control over multi-cloud deployments.
- Detect, monitor, and remediate security vulnerabilities and compliance near real-time across multiple cloud environment.

NOTE:



- For more information Nutanix Cloud Manager (NCM), please visit <https://www.nutanix.com/products/cloud-manager>
- For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
- Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines(<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
- Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
- PC 2024.2 is the minimum requirement for these licenses to be applied. Check and confirm the release schedule of PC before ordering these licenses.
- Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. For the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>

Table 34.5 Nutanix Cloud Manager Edge (NME)

Product ID (PID)	PID Description
STR - STARTER	
NT-NME-STR-PR	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for Edge Sites & Production Software Support Service per VM
NT-NME-STR-MC	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for Edge Sites & Mission Critical Software Support Service per VM
NT-NME-STR-AP	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for Edge Sites & L3 Production Software Support Service per VM (Authorized Support Partners provides L1, L2 support)
NT-NME-STR-AM	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for Edge Sites & L3 Mission Critical Software Support Service per VM (Authorized Support Partners provides L1, L2 support)

Table 34.5 Nutanix Cloud Manager Edge (NME)

NT-NME-STR-FP	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for Edge Sites & FED Production Software Support Service per VM
NT-NME-STR-FM	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for Edge Sites & FED Mission Critical Software Support Service per VM
PRO- PROFESSIONAL	
NT-NME-PRO-PR	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for Edge Sites & Production Software Support Service per VM
NT-NME-PRO-MC	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for Edge Sites & Mission Critical Software Support Service per VM
NT-NME-PRO-AP	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for Edge Sites & L3 Production Software Support Service per VM (Authorized Support Partners provides L1, L2 support)
NT-NME-PRO-AM	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for Edge Sites & L3 Mission Critical Software Support Service per VM (Authorized Support Partners provides L1, L2 support)
NT-NME-PRO-FP	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for Edge Sites & FED Production Software Support Service per VM
NT-NME-PRO-FM	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for Edge Sites & FED Mission Critical Software Support Service per VM
ULT - ULTIMATE	
NT-NME-ULT-PR	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for Edge Sites & Production Software Support Service per VM
NT-NME-ULT-MC	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for Edge Sites & Mission Critical Software Support Service per VM
NT-NME-ULT-AP	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for Edge Sites & L3 Production Software Support Service per VM (Authorized Support Partners provides L1, L2 support)
NT-NME-ULT-AM	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for Edge Sites & L3 Mission Critical Software Support Service per VM (Authorized Support Partners provides L1, L2 support)
NT-NME-ULT-FP	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for Edge Sites & FED Production Software Support Service per VM
NT-NME-ULT-FM	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for Edge Sites & FED Mission Critical Software Support Service per VM

Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping**Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping****Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services**

(7) Nutanix Cloud Manager EUC (NCM-U):

Nutanix Cloud Manager (NCM) is a hybrid multi-cloud management platform for building a cloud operating model. NCM provides Intelligent Operations, Self-Service, Cost Governance, and Security natively with the Nutanix Platform or through a SaaS subscription.

- Self-service VMs and Apps are defined via simple blueprints, easily created, and managed via GUI/CLI.
- Management of IT lifecycle includes visibility, optimization, and financial control over multi-cloud deployments.
- Detect, monitor, and remediate security vulnerabilities and compliance near real-time across multiple cloud environment.

NOTE:



- For more information Nutanix Cloud Manager (NCM), please visit <https://www.nutanix.com/products/cloud-manager>
 - For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
 - Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines(<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
 - Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
 - PC 2024.2 is the minimum requirement for these licenses to be applied. Check and confirm the release schedule of PC before ordering these licenses.
 - Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. For the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>
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Table 34.6 Nutanix Cloud Manager EUC (NCM-U)

Product ID (PID)	PID Description
STR - STARTER	
NT-NCM-U-STR-PR	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for EUC & Production Software Support Service per User
NT-NCM-U-STR-MC	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for EUC & Mission Critical Software Support Service per User
NT-NCM-U-STR-AP	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for EUC & L3 Production Software Support Service per User (Authorized Support Partners provides L1, L2 support)
NT-NCM-U-STR-AM	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for EUC & L3 Mission Critical Software Support Service per User (Authorized Support Partners provides L1, L2 support)
NT-NCM-U-STR-FP	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for EUC & FED Production Software Support Service per User

Table 34.6 Nutanix Cloud Manager EUC (NCM-U)

NT-NCM-U-STR-FM	Subscription, Nutanix Cloud Manager (NCM) Starter Software License for EUC & FED Mission Critical Software Support Service per User
PRO - PROFESSIONAL	
NT-NCM-U-PRO-PR	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for EUC & Production Software Support Service per User
NT-NCM-U-PRO-MC	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for EUC & Mission Critical Software Support Service per User
NT-NCM-U-PRO-AP	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for EUC & L3 Production Software Support Service per User (Authorized Support Partners provides L1, L2 support)
NT-NCM-U-PRO-AM	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for EUC & L3 Mission Critical Software Support Service per User (Authorized Support Partners provides L1, L2 support)
NT-NCM-U-PRO-FP	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for EUC & FED Production Software Support Service per User
NT-NCM-U-PRO-FM	Subscription, Nutanix Cloud Manager (NCM) Professional Software License for EUC & FED Mission Critical Software Support Service per User
ULT - ULTIMATE	
NT-NCM-U-ULT-PR	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for EUC & Production Software Support Service per User
NT-NCM-U-ULT-MC	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for EUC & Mission Critical Software Support Service per User
NT-NCM-U-ULT-AP	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for EUC & L3 Production Software Support Service per User (Authorized Support Partners provides L1, L2 support)
NT-NCM-U-ULT-AM	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for EUC & L3 Mission Critical Software Support Service per User (Authorized Support Partners provides L1, L2 support)
NT-NCM-U-ULT-FP	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for EUC & FED Production Software Support Service per User
NT-NCM-U-ULT-FM	Subscription, Nutanix Cloud Manager (NCM) Ultimate Software License for EUC & FED Mission Critical Software Support Service per User

Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping**Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping****Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services**

(8) Nutanix Cloud Platform (NCP):

Nutanix Cloud Infrastructure (NCI) and Nutanix Cloud Manager (NCM) can be purchased together in ‘better together’ Nutanix Cloud Platform (NCP) bundles:

Nutanix Cloud Platform (NCP)	Nutanix Cloud Infrastructure (NCI) included	Nutanix Cloud Manager (NCM) Edition included
NCP Starter	NCI Professional	NCM Professional
NCP Professional	NCI Ultimate	NCM Professional
NCP Ultimate	NCI Ultimate	NCM Ultimate

NOTE:



- For more information on Nutanix Cloud Platform (NCP) bundles, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
 - For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
 - Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines (<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
 - Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
 - Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. For the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>
 - ? The total number of cores for NCI and NCM should be same
 - ? The support tiers for NCI and NCM should be same
-

Table 34.7 Nutanix Cloud Platform (NCP)

Product ID (PID)	PID Description
STR - STARTER	
NT-NCP-STR-PR	Subscription, Nutanix Cloud Platform Starter Software License & Production Software Support Service for 1 CPU Core
NT-NCP-STR-MC	Subscription, Nutanix Cloud Platform Starter Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCP-STR-AP	Subscription, Nutanix Cloud Platform Starter Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-STR-AM	Subscription, Nutanix Cloud Platform Starter Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)

Table 34.7 Nutanix Cloud Platform (NCP)

NT-NCP-STR-FP	Subscription, Nutanix Cloud Platform Starter Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCP-STR-FM	Subscription, Nutanix Cloud Platform Starter Software License & Federal Mission Critical Software Support Service for 1 CPU Core
PRO- PROFESSIONAL	
NT-NCP-PRO-PR	Subscription, Nutanix Cloud Platform Pro Software License & Production Software Support Service for 1 CPU Core
NT-NCP-PRO-MC	Subscription, Nutanix Cloud Platform Pro Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCP-PRO-AP	Subscription, Nutanix Cloud Platform Pro Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-PRO-AM	Subscription, Nutanix Cloud Platform Pro Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-PRO-FP	Subscription, Nutanix Cloud Platform Pro Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCP-PRO-FM	Subscription, Nutanix Cloud Platform Pro Software License & Federal Mission Critical Software Support Service for 1 CPU Core
ULT-ULTIMATE	
NT-NCP-ULT-PR	Subscription, Nutanix Cloud Platform Ultimate Software License & Production Software Support Service for 1 CPU Core
NT-NCP-ULT-MC	Subscription, Nutanix Cloud Platform Ultimate Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCP-ULT-AP	Subscription, Nutanix Cloud Platform Ultimate Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-ULT-AM	Subscription, Nutanix Cloud Platform Ultimate Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-ULT-FP	Subscription, Nutanix Cloud Platform Ultimate Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCP-ULT-FM	Subscription, Nutanix Cloud Platform Ultimate Software License & Federal Mission Critical Software Support Service for 1 CPU Core
NCI PROFESSIONAL	
NT-NCP-NCI-PRO-PR	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Pro Software License & Production Software Support Service for 1 CPU Core
NT-NCP-NCI-PRO-MC	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Pro Software License & Mission Critical Software Support Service for 1 CPU Core

Table 34.7 Nutanix Cloud Platform (NCP)

NT-NCP-NCI-PRO-AP	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Pro Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-NCI-PRO-AM	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Pro Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-NCI-PRO-FP	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Pro Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCP-NCI-PRO-FM	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Pro Software License & Federal Mission Critical Software Support Service for 1 CPU Core
NCI ULTIMATE	
NT-NCP-NCI-ULT-PR	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Ultimate Software License & Production Software Support Service for 1 CPU Core
NT-NCP-NCI-ULT-MC	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Ultimate Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCP-NCI-ULT-AP	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Ultimate Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-NCI-ULT-AM	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Ultimate Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-NCI-ULT-FP	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Ultimate Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCP-NCI-ULT-FM	Subscription, (included in NCP) Nutanix Cloud Infrastructure (NCI) Ultimate Software License & Federal Mission Critical Software Support Service for 1 CPU Core
NCM PROFESSIONAL	
NT-NCP-NCM-PRO-PR	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Pro Software License & Production Software Support Service for 1 CPU Core
NT-NCP-NCM-PRO-MC	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Pro Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCP-NCM-PRO-AP	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Pro Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-NCM-PRO-AM	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Pro Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-NCM-PRO-FP	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Pro Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCP-NCM-PRO-FM	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Pro Software License & Federal Mission Critical Software Support Service for 1 CPU Core

Table 34.7 Nutanix Cloud Platform (NCP)

NCM ULTIMATE	
NT-NCP-NCM-ULT-PR	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Ultimate Software License & Production Software Support Service for 1 CPU Core
NT-NCP-NCM-ULT-MC	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Ultimate Software License & Mission Critical Software Support Service for 1 CPU Core
NT-NCP-NCM-ULT-AP	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Ultimate Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-NCM-ULT-AM	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Ultimate Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NCP-NCM-ULT-FP	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Ultimate Software License & Federal Production Software Support Service for 1 CPU Core
NT-NCP-NCM-ULT-FM	Subscription, (included in NCP) Nutanix Cloud Manager (NCM) Ultimate Software License & Federal Mission Critical Software Support Service for 1 CPU Core

**NOTE:**

- The total number of cores for NCI and NCM should be same
- The support tiers for NCI and NCM should be same.

Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping

Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services

(9) Nutanix Unified Storage™ (NUS):

Nutanix Unified Storage™ (NUS) is a software-defined data services platform that consolidates the management and protection of siloed block, file, and object storage into a single, unified platform. NUS harnesses the power of rich data services such as analytics, ransomware protection, lifecycle management, and data protection. These features enable organizations to seamlessly adapt to the ever-changing requirements of modern applications, allowing them to shift their management focus from data storage to data management. Leveraging the Nutanix Cloud Platform™ (NCP) software, NUS is specifically built to meet the needs of modern applications deployed across core, cloud, and edge infrastructure. With its capacity for seamless scaling, high performance, and integrated data security, NUS provides a comprehensive solution for organizations.

Includes:

- Nutanix Files Storage: simple and secure software-defined scale-out file storage solution to store, manage, and scale files data (NFS and SMB)
- Nutanix Objects Storage: distributed scale-out S3-compatible object storage for both archive and high-performance analytics
- Nutanix Volumes Storage: high-performance low-latency block storage
- Nutanix Data Lens: available as an add-on for data analytics, anomaly behavior detection and ransomware protection
- Nutanix AOS: scale-out storage technology that makes hyperconverged infrastructure (HCI) possible.
- Nutanix AHV: lightweight cloud hypervisor built into Nutanix platform and offers enterprise-grade storage capabilities and built-in Kubernetes support.
- App VMs running on storage: NUS dedicated clusters are entitled to 1 app/user VM per node in the cluster. NCI clusters don't have any limit on the number of app/user VMs on the cluster.

NOTE:



- For more information Nutanix Unified Storage™ (NUS), please visit <https://www.nutanix.com/products/cloud-platform/software-options#nus>
 - For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
 - Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines(<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
 - Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
 - Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. For the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>
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Table 34.8 Nutanix Unified Storage™ (NUS)

Product ID (PID)	PID Description
PRO - PROFESSIONAL	
NT-NUS-PRO-PR	Nutanix Unified Storage Professional Software License & Production Software Support for 1 TiB
NT-NUS-PRO-MC	Nutanix Unified Storage Professional Software License & Mission Critical Software Support for 1 TiB
NT-NUS-PRO-AP	Nutanix Unified Storage Professional Software License & L3 Production Software Support for 1 TiB (Authorized Support Partners provides L1, L2 support)
NT-NUS-PRO-AM	Nutanix Unified Storage Professional Software License & L3 Mission Critical Software Support for 1 TiB (Authorized Support Partners provides L1, L2 support)
NT-NUS-PRO-FP	Nutanix Unified Storage Professional Software License & Federal Production Software Support for 1 TiB
NT-NUS-PRO-FM	Nutanix Unified Storage Professional Software License & Federal Mission Critical Software Support for 1 TiB
ADVANCED REPLICATION	
NT-A-NUS-ADR-PR	Nutanix Unified Storage Advanced Replication add-on Software License & Production Software Support 1 TiB
NT-A-NUS-ADR-MC	Nutanix Unified Storage Advanced Replication add-on Software License & Mission Critical Software Support 1 TiB
NT-A-NUS-ADR-AP	Nutanix Unified Storage Advanced Replication add-on Software License & L3 Production Software Support 1 TiB (Authorized Support Partners provides L1, L2 support)
NT-A-NUS-ADR-AM	Nutanix Unified Storage Advanced Replication add-on Software License & L3 Mission Critical Software Support 1 TiB (Authorized Support Partners provides L1, L2 support)
NT-A-NUS-ADR-FP	Nutanix Unified Storage Advanced Replication add-on Software License & Federal Production Software Support 1 TiB
NT-A-NUS-ADR-FM	Nutanix Unified Storage Advanced Replication add-on Software License & Federal Mission Critical Support 1 TiB
SECURITY	
NT-A-NUS-SEC-PR	Nutanix Unified Storage Security add-on Software License & Production Software Support 1 TiB
NT-A-NUS-SEC-MC	Nutanix Unified Storage Security add-on Software License & Mission Critical Software Support 1 TiB
NT-A-NUS-SEC-AP	Nutanix Unified Storage Security add-on Software License & L3 Production Software Support 1 TiB (Authorized Support Partners provides L1, L2 support)
NT-A-NUS-SEC-AM	Nutanix Unified Storage Security add-on Software License & L3 Mission Critical Software Support 1 TiB (Authorized Support Partners provides L1, L2 support)

Table 34.8 Nutanix Unified Storage™ (NUS)

NT-A-NUS-SEC-FP	Nutanix Unified Storage Security add-on Software License & Federal Production Software Support 1 TiB
NT-A-NUS-SEC-FM	Nutanix Unified Storage Security add-on Software License & Federal Mission Critical Software Support 1 TiB

Table 34.8.a Nutanix Unified Storage Allowed Capacity

Nutanix Unified Storage	Nutanix Unified Storage Support Tier	Storage Capacity Allowed (TiB)
Pro (Professional) License Tier (NT-NUS-PRO-*)	Production Mission Critical Federal Production Federal Mission Critical	1-50
		75
		100
		150
		200
		250
		300
		350
		400
		450
		500
		550
		600
		700
		800
		900
		1000
		1200
		1400
		1600
Advanced Replication (NT-A-NUS-ADR-*)		1800
		2000
		2200
		2400
		2600
		2800
		3000
		4000
		5000
		6000
Security (NT-A-NUS-SEC-*)		7000
		8000
		9000
		10000

(10) Nutanix Data Lens (NDL):

Nutanix Data Lens is a SaaS-based cyberstorage solution offering ransomware resilience and global data visibility for unstructured data on Nutanix Unified Storage (NUS). This cloud-based data analytics service proactively assesses and mitigates data security risks by identifying anomalous activity, auditing user behavior, and adhering to compliance requirements, while enabling efficient data lifecycle management.

Nutanix Data Lens is currently offered through a “Freemium” licensing model, consisting of two tiers:

1. “Basic Tier” comprises limited capabilities that are available perpetually free for NUS Pro customers
2. “Premium Tier” comprises extended capabilities, including Ransomware security, and is licensed on a per TiB basis for all NUS customers.

Self-service onboarding for current Nutanix Unified Storage Customers through [My Nutanix Portal](#).

NOTE:

- For more information Nutanix Data Lens (NDL), please visit <https://www.nutanix.com/products/cloud-platform/software-options#nus>
- For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
- Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines(<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
- Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
- Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. For the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>

Table 34.9 Nutanix Data Lens (NDL)

Product ID (PID)	PID Description
NDL	
NT-NDL-PR	Nutanix Data Lens as a hosted service including Production Support for 1 TiB
NT-NDL-FP	Nutanix Data Lens as a hosted service incl Fed Production Support for 1 TiB

Table 34.9.a Nutanix Data Lens Allowed Capacity

Nutanix Data Lens	Nutanix Data Lens Support Tier	Storage Capacity Allowed (TIB)
NDL	Production Federal Production	1-50
		75
		100
		150
		200
		250
		300
		350
		400
		450
		500
		550
		600
		700
		800
		900
		1000
		1200
		1400
		1600
		1800
		2000
		2200
		2400
		2600
		2800
		3000

(11) Nutanix Kubernetes Platform (NKP):

Nutanix Kubernetes Platform (NKP) combines the Nutanix Kubernetes Engine (NKE) features with their acquisition of the D2iQ product family to bring a consolidated runtime, orchestration, and management environment to our cloud native customers. The SKUs have two ordering options:

1. NKP Full Stack (Starter, Pro & Ultimate) - This includes the Complete Nutanix stack, bundling NCI, NDK and NKP. This is core based licensing (for all cores in cluster) and feature/capability inclusions depend on the whether it's starter, Pro or Ultimate. This is suitable for customers who will have Nutanix clusters exclusively for container workloads.
2. NKP (Pro & Ultimate) - NKP Starter is Bundled with NCI Pro and Ultimate . This adds NKP to existing NCI deployments (for AHV, ESXi, AWS EC2 & Azure). The Kubernetes and associated NKP functionality is provided by running master and worker node VMs on NCI. This is licensed on vCPU for the workload VMs that will be deployed. This is suitable for customers who already have Nutanix NCI clusters.

NOTE:

- For more information about Nutanix Kubernetes Platform (NKP), please visit <https://www.nutanix.com/products/cloud-platform/software-options#nkp>
 - For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
 - Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines(<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
 - Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
 - Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. For the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>
 - The quantity of NKP Full Stack (FS) license must match with total number for processor cores in hardware platforms.
-

Table 34.10 Nutanix Kubernetes Platform (NKP)

Product ID (PID)	PID Description
FS STR - FULL STACK STARTER	
NT-NKP-FS-STR-PR	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Starter Software License and Production Software Support Service for 1 CPU Core
NT-NKP-FS-STR-MC	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Starter Software License and Mission Critical Software Support Service for 1 CPU Core
NT-NKP-FS-STR-AP	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Starter Software License and L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NKP-FS-STR-AM	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Starter Software License and L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)

Table 34.10 Nutanix Kubernetes Platform (NKP)

NT-NKP-FS-STR-FP	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Starter Software License and Federal Production Software Support Service for 1 CPU Core
NT-NKP-FS-STR-FM	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Starter Software License and Federal Mission Critical Software Support Service for 1 CPU Core
FS PRO - FULL STACK PROFESSIONAL	
NT-NKP-FS-PRO-PR	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Pro Software License and Production Software Support Service for 1 CPU Core
NT-NKP-FS-PRO-MC	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Pro Software License and Mission Critical Software Support Service for 1 CPU Core
NT-NKP-FS-PRO-AP	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Pro Software License and L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NKP-FS-PRO-AM	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Pro Software License and L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NKP-FS-PRO-FP	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Pro Software License and Federal Production Software Support Service for 1 CPU Core
NT-NKP-FS-PRO-FM	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Pro Software License and Federal Mission Critical Software Support Service for 1 CPU Core
FS ULT - FULL STACK ULTIMATE	
NT-NKP-FS-ULT-PR	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Ultimate Software License and Production Software Support Service for 1 CPU Core
NT-NKP-FS-ULT-MC	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Ultimate Software License and Mission Critical Software Support Service for 1 CPU Core
NT-NKP-FS-ULT-AP	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Ultimate Software License and L3 Production Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NKP-FS-ULT-AM	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Ultimate Software License and L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Support Partners provides L1, L2 support)
NT-NKP-FS-ULT-FP	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Ultimate Software License and Federal Production Software Support Service for 1 CPU Core
NT-NKP-FS-ULT-FM	Subscription, Nutanix Kubernetes Platform (NKP) Full Stack Ultimate Software License and Federal Mission Critical Software Support Service for 1 CPU Core
PRO - PROFESSIONAL	
NT-NKP-PRO-PR	Subscription, Nutanix Kubernetes Platform (NKP) Pro Software License for NCI or non-Nutanix infrastructure and Production Software Support Service for 1 vCPU (or 1 CPU Core on bare metal)

Table 34.10 Nutanix Kubernetes Platform (NKP)

NT-NKP-PRO-MC	Subscription, Nutanix Kubernetes Platform (NKP) Pro Software License for NCI or non-Nutanix infrastructure and Mission Critical Software Support Service for 1 vCPU (or 1 CPU Core on bare metal)
NT-NKP-PRO-AP	Subscription, Nutanix Kubernetes Platform (NKP) Pro Software License for NCI or non-Nutanix infrastructure and L3 Production Software Support Service for 1 vCPU (or 1 CPU Core on bare metal) (Authorized Support Partners provides L1, L2 support)
NT-NKP-PRO-AM	Subscription, Nutanix Kubernetes Platform (NKP) Pro Software License for NCI or non-Nutanix infrastructure and L3 Mission Critical Software Support Service for 1 vCPU (or 1 CPU Core on bare metal) (Authorized Support Partners provides L1, L2 support)
NT-NKP-PRO-FP	Subscription, Nutanix Kubernetes Platform (NKP) Pro Software License for NCI or non-Nutanix infrastructure and Federal Production Software Support Service for 1 vCPU (or 1 CPU Core on bare metal)
NT-NKP-PRO-FM	Subscription, Nutanix Kubernetes Platform (NKP) Pro Software License for NCI or non-Nutanix infrastructure and Federal Mission Critical Software Support Service for 1 vCPU (or 1 CPU Core on bare metal)
ULT - ULTIMATE	
NT-NKP-ULT-PR	Subscription, Nutanix Kubernetes Platform (NKP) Ultimate Software License for NCI or non-Nutanix infrastructure and Production Software Support Service for 1 vCPU (or 1 CPU Core on bare metal)
NT-NKP-ULT-MC	Subscription, Nutanix Kubernetes Platform (NKP) Ultimate Software License for NCI or non-Nutanix infrastructure and Mission Critical Software Support Service for 1 vCPU (or 1 CPU Core on bare metal)
NT-NKP-ULT-AP	Subscription, Nutanix Kubernetes Platform (NKP) Ultimate Software License for NCI or non-Nutanix infrastructure and L3 Production Software Support Service for 1 vCPU (or 1 CPU Core on bare metal) (Authorized Support Partners provides L1, L2 support)
NT-NKP-ULT-AM	Subscription, Nutanix Kubernetes Platform (NKP) Ultimate Software License for NCI or non-Nutanix infrastructure and L3 Mission Critical Software Support Service for 1 vCPU (or 1 CPU Core on bare metal) (Authorized Support Partners provides L1, L2 support)
NT-NKP-ULT-FP	Subscription, Nutanix Kubernetes Platform (NKP) Ultimate Software License for NCI or non-Nutanix infrastructure and Federal Production Software Support Service for 1 vCPU (or 1 CPU Core on bare metal)
NT-NKP-ULT-FM	Subscription, Nutanix Kubernetes Platform (NKP) Ultimate Software License for NCI or non-Nutanix infrastructure and Federal Mission Critical Software Support Service for 1 vCPU (or 1 CPU Core on bare metal)

Table 38.0, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 38.1, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) 3 YEAR SUBSCRIPTION with professional services PID Mapping

(12) Nutanix Enterprise AI (NAI):

The Nutanix Enterprise AI (NAI) solution offers endpoint APIs for the leading LLM providers, including NVIDIA NIM and Hugging Face, making it easy for organizations to deploy a wide range of GenAI models securely, on-premises or in the public cloud. NAI includes a simple UI, role-based access controls (RBAC), and the capability for untethered operations (dark site or air-gapped deployments) to simplify the operation, monitoring, and adaptation of AI models (LLMs) with enterprise resiliency, Day 2 operations, and compliance.

Nutanix AI Platform has 2 ordering requirements & both need to be ordered:

- CPU (measured in vCPU/Core): This quantity should correspond to the number of physical cores for bare-metal deployments or the vCPUs for virtual deployments.
- GB (memory on GPU): Note that this refers to the total GPU memory, not the physical memory of the nodes in the cluster, and it depends on the GPU selected.

NOTE:



- For more information about Nutanix Enterprise AI (NAI), please visit <https://www.nutanix.com/library/datasheets/nutanix-enterprise-ai>
- For more information about Nutanix Cloud Platform software options, please visit <https://www.nutanix.com/products/cloud-platform/software-options>
- Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines(<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
- Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info: <https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
- Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. For the complete list visit <https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>

Table 34.11 Nutanix Enterprise AI (NAI)

Product ID (PID)	PID Description
PROFESSIONAL LICENSE FOR GPU	
NT-AI-PRO-GB-PR	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and Production Software Support Service for 1 GB of GPU RAM
NT-AI-PRO-GB-MC	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and Mission Critical Software Support Service for 1 GB of GPU RAM
NT-AI-PRO-GB-AP	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and L3 Production Software Support Service for 1 GB of GPU RAM (Authorized Service Provider provides L1, L2 support)
NT-AI-PRO-GB-AM	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and L3 Mission Critical Software Support Service for 1 GB of GPU RAM (Authorized Service Provider provides L1, L2 support)

Table 34.11 Nutanix Enterprise AI (NAI)

NT-AI-PRO-GB-FP	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and Federal Production Software Support Service for 1 GB of GPU RAM
NT-AI-PRO-GB-FM	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and Federal Mission Critical Software Support Service for 1 GB of GPU RAM
PROFESSIONAL LICENSE FOR CORE or vCPU	
NT-AI-PRO-C-PR	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and Production Software Support Service for 1 vCPU
NT-AI-PRO-C-MC	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and Mission Critical Software Support Service for 1 vCPU
NT-AI-PRO-C-AP	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and L3 Production Software Support Service for 1 vCPU (Authorized Service Provider provides L1, L2 support)
NT-AI-PRO-C-AM	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and L3 Mission Critical Software Support Service for 1 vCPU (Authorized Service Provider provides L1, L2 support)
NT-AI-PRO-C-FP	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and Federal Production Software Support Service for 1 vCPU
NT-AI-PRO-C-FM	Subscription, Nutanix Enterprise AI (NAI) Pro Software License and Federal Mission Critical Software Support Service for 1 vCPU
PROFESSIONAL GPT	
NT-AI-GPT-PO-C-PR	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Pro Software License & Production Software Support Service for 1 CPU Core
NT-AI-GPT-PO-C-MC	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Pro Software License & Mission Critical Software Support Service for 1 CPU Core
NT-AI-GPT-PO-C-AP	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Pro Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Service Provider provides L1, L2 support)
NT-AI-GPT-PO-C-AM	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Pro Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Service Provider provides L1, L2 support)
NT-AI-GPT-PO-C-FP	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Pro Software License & Federal Production Software Support Service for 1 CPU Core
NT-AI-GPT-PO-C-FM	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Pro Software License & Federal Mission Critical Software Support Service for 1 CPU Core
ULTIMATE GPT	
NT-AI-GPT-UT-C-PR	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Ultimate Software License & Production Software Support Service for 1 CPU Core
NT-AI-GPT-UT-C-MC	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Ultimate Software License & Mission Critical Software Support Service for 1 CPU Core

Table 34.11 Nutanix Enterprise AI (NAI)

NT-AI-GPT-UT-C-AP	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Ultimate Software License & L3 Production Software Support Service for 1 CPU Core (Authorized Service Provider provides L1, L2 support)
NT-AI-GPT-UT-C-AM	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Ultimate Software License & L3 Mission Critical Software Support Service for 1 CPU Core (Authorized Service Provider provides L1, L2 support)
NT-AI-GPT-UT-C-FP	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Ultimate Software License & Federal Production Software Support Service for 1 CPU Core
NT-AI-GPT-UT-C-FM	Subscription, Nutanix Enterprise AI (NAI) GPT-in-a-box Ultimate Software License & Federal Mission Critical Software Support Service for 1 CPU Core
NAI NKP PROFESSIONAL	
NT-AI-NKP-PO-C-PR	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Pro Software License & Production Software Support Service for 1 vCPU or 1 physical CPU Core
NT-AI-NKP-PO-C-MC	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Pro Software License & Mission Critical Software Support Service for 1 vCPU or 1 physical CPU Core
NT-AI-NKP-PO-C-AP	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Pro Software License & L3 Production Software Support Service for 1 vCPU or 1 physical CPU Core (Authorized Service Provider provides L1, L2 support)
NT-AI-NKP-PO-C-AM	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Pro Software License & L3 Mission Critical Software Support Service for 1 vCPU or 1 physical CPU Core (Authorized Service Provider provides L1, L2 support)
NT-AI-NKP-PO-C-FP	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Pro Software License & Federal Production Software Support Service for 1 vCPU or 1 physical CPU Core
NT-AI-NKP-PO-C-FM	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Pro Software License & Federal Mission Critical Software Support Service for 1 vCPU or 1 physical CPU Core
NAI NKP ULTIMATE	
NT-AI-NKP-UT-C-PR	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Ultimate Software License & Production Software Support Service for 1 vCPU or 1 physical CPU Core
NT-AI-NKP-UT-C-MC	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Ultimate Software License & Mission Critical Software Support Service for 1 vCPU or 1 physical CPU Core
NT-AI-NKP-UT-C-AP	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Ultimate Software License & L3 Production Software Support Service for 1 vCPU or 1 physical CPU Core (Authorized Service Provider provides L1, L2 support)

Table 34.11 Nutanix Enterprise AI (NAI)

NT-AI-NKP-UT-C-AM	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Ultimate Software License & L3 Mission Critical Software Support Service for 1 vCPU or 1 physical CPU Core (Authorized Service Provider provides L1, L2 support)
NT-AI-NKP-UT-C-FP	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Ultimate Software License & Federal Production Software Support Service for 1 vCPU or 1 physical CPU Core
NT-AI-NKP-UT-C-FM	Subscription, Nutanix Enterprise AI (NAI) Pro and Nutanix Kubernetes Platform (NKP) Ultimate Software License & Federal Mission Critical Software Support Service for 1 vCPU or 1 physical CPU Core

Nutanix software limited orderability

(1) End User Computing Hyperspace (EUCH):

Epic software is suite of software that is primarily used in the Healthcare industry. The Epic software can be deployed on Nutanix HCI. Solution & details can be found here

(<https://portal.nutanix.com/page/documents/solutions/details?targetId=BP-2055-Epic-on-Nutanix:BP-2055-Epic-on-Nutanix>)

NTX-SW-LO is an ATO that has specific SKUs for Epic customers using Hyperspace or Hyperdrive. Hyperspace EUC SKU's begin with (NT-EUC-H-) and there are a total of 18 SKUs.

Refer to the link in the notes section for the process details

These SKUs can only be bought by customers who satisfy the following 2 conditions:

- End-user is Epic software customer (Epic headquarters is in Verona, WI)
- End-user must include the client presentation of Epic Hyperspace or Hyperdrive (component of the Epic suite of software). SKUs are for this component.

NOTE:



- KB article on process for EUC SKUs:
<https://computeckb.cisco.com/article/process-flow-when-ordering-hyperspace-euc-skus.html>
 - Please note that the Federal Support program is reserved for US Federal accounts. US Federal accounts must select Federal Support Tier for the order to be fulfilled. If a non-Federal account selects a Federal Support program, Nutanix may not fulfill the order. Additionally, Nutanix's Mixed Support Level Guidelines(<https://www.nutanix.com/support-services/product-support/support-policies-and-faqs?show=accordion-4>) requires all software assets within a cluster to have the same support level, else software support will default to the lower option.
 - Sellers in the Federal space need to ensure they have the Federal Support SKU's on the quote and order. All orders without the Federal Support SKU's will be rejected by Nutanix. Refer this Knowledge base article for more info:
<https://computeckb.cisco.com/article/nutanix-support-for-federal-customers.html>
 - Authorized Partners of Nutanix can offer Level 1 & Level 2 support for Nutanix Software. for the complete list visit
<https://computeckb.cisco.com/article/rules-for-ordering-nutanix-partner-support-skus.html>
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Table 35 End User Computing Hyperspace (EUCH)

Product ID (PID)	PID Description
STR - STARTER	
NT-EUC-H-STR-PR	Subscription, End User Computing (EUC) Starter Software License for Epic Hyperspace & Production Software Support Service for 1 User
NT-EUC-H-STR-MC	Subscription, End User Computing (EUC) Starter Software License for Epic Hyperspace & Mission Critical Software Support Service for 1 User
NT-EUC-H-STR-AP	Subscription, End User Computing (EUC) Starter Software License for Epic Hyperspace & L3 Production Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)

Table 35 End User Computing Hyperspace (EUCH)

NT-EUC-H-STR-AM	Subscription, End User Computing (EUC) Starter Software License for Epic Hyperspace & L3 Mission Critical Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)
NT-EUC-H-STR-FP	Subscription, End User Computing (EUC) Starter Software License for Epic Hyperspace & Federal Production Software Support Service for 1 User
NT-EUC-H-STR-FM	Subscription, End User Computing (EUC) Starter Software License for Epic Hyperspace & Federal Mission Critical Software Support Service for 1 User
PRO- PROFESSIONAL	
NT-EUC-H-PRO-PR	Subscription, End User Computing (EUC) Professional Software License for Epic Hyperspace & Production Software Support Service for 1 User
NT-EUC-H-PRO-MC	Subscription, End User Computing (EUC) Professional Software License for Epic Hyperspace & Mission Critical Software Support Service for 1 User
NT-EUC-H-PRO-AP	Subscription, End User Computing (EUC) Professional Software License for Epic Hyperspace & L3 Production Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)
NT-EUC-H-PRO-AM	Subscription, End User Computing (EUC) Professional Software License for Epic Hyperspace & L3 Mission Critical Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)
NT-EUC-H-PRO-FP	Subscription, End User Computing (EUC) Professional Software License for Epic Hyperspace & Federal Production Software Support Service for 1 User
NT-EUC-H-PRO-FM	Subscription, End User Computing (EUC) Professional Software License for Epic Hyperspace & Federal Mission Critical Software Support Service for 1 User
ULT - ULTIMATE	
NT-EUC-H-ULT-PR	Subscription, End User Computing (EUC) Ultimate Software License for Epic Hyperspace & Production Software Support Service for 1 User
NT-EUC-H-ULT-MC	Subscription, End User Computing (EUC) Ultimate Software License for Epic Hyperspace & Mission Critical Software Support Service for 1 User
NT-EUC-H-ULT-AP	Subscription, End User Computing (EUC) Ultimate Software License for Epic Hyperspace & L3 Production Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)
NT-EUC-H-ULT-AM	Subscription, End User Computing (EUC) Ultimate Software License for Epic Hyperspace & L3 Mission Critical Software Support Service for 1 User (Authorized Support Partners provides L1, L2 support)
NT-EUC-H-ULT-FP	Subscription, End User Computing (EUC) Ultimate Software License for Epic Hyperspace & Federal Production Software Support Service for 1 User
NT-EUC-H-ULT-FM	Subscription, End User Computing (EUC) Ultimate Software License for Epic Hyperspace & Federal Mission Critical Software Support Service for 1 User

Professional Services PIDs and Description

(1) NCI Design Workshop:

The Nutanix Cloud Infrastructure (NCI) Design Workshop offers IT teams in-depth and practical guidance to create a comprehensive design for on-premises NCI clusters. It covers various aspects such as scalability, functionality, integration, and operational needs. This workshop is beneficial during the Design stage of a Hybrid Multicloud journey, especially for complex solutions that involve third-party applications and automation.



NOTE:

- For more information on NCI Design workshop, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/sd-nci-design-workshop.pdf>
- For more information on Cisco version of Nutanix Professional services, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/professional-services-service-descriptions-cisco.pdf>

Table 36.0 NCI Design Workshop

Nutanix Software Product/Edition	Cisco Product PID	Cisco PID Description PS Offer Name - PS Offer Edition - PS Offer Option - Base/Variable	Nutanix PS Edition	Nutanix PS Option
NCI Starter	NT-W-DS-STR	NCI Design Workshop - Starter - Workshop Only	Starter	Workshop Only
NCI Starter	NT-W-DS-STR-ED	NCI Design Workshop - Starter - Enhanced Doc	Starter	Enhanced Documentation
NCI Starter	NT-W-DS-STR-SD	NCI Design Workshop - Starter - Standard Doc	Starter	Standard Documentation
NCI Pro	NT-W-DS-PRO	NCI Design Workshop - Pro - Workshop Only	Pro	Workshop Only
NCI Pro	NT-W-DS-PRO-ED	NCI Design Workshop - Pro - Standard Doc	Pro	Standard Documentation
NCI Pro	NT-W-DS-PRO-SD	NCI Design Workshop - Pro - Enhanced Doc	Pro	Enhanced Documentation
NCI Ultimate	NT-W-DS-ULT-ED	NCI Design Workshop - Ultimate - Enhanced Doc	Ultimate	Enhanced Documentation
NCI Ultimate	NT-W-DS-ULT-SD	NCI Design Workshop - Ultimate - Standard Doc	Ultimate	Standard Documentation

Table 38.0, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 38.1, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) 3 YEAR SUBSCRIPTION with professional services PID Mapping

(2) NCI Cluster Deployment or Expansion:

The Nutanix Cloud Infrastructure (NCI) Cluster Deployment or Expansion accelerates the deployment of hybrid cloud infrastructure to support any application and workload. Highly skilled consultants can deploy on-premises NCI clusters or dedicated Nutanix Unified Storage (NUS) clusters. The clusters can be deployed to various supported hardware platforms, regardless of whether it's Nutanix, our OEM partners, or other platform providers. This offer is ideal for the Deploy stage of the Hybrid Multicloud journey.



NOTE:

- For more information on NCI Cluster deployment and expansion workshop, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/sd-nci-cluster-deployment-or-expansion.pdf>
- For more information on Cisco version of Nutanix Professional services, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/professional-services-service-descriptions-cisco.pdf>

Table 36.1 NCI Cluster Deployment or Expansion

Nutanix Software Product/Edition	Cisco Product PID	Cisco PID Description PS Offer Name - PS Offer Edition - PS Offer Option - Base/Variable	Nutanix PS Edition	Nutanix PS Option
NCI Starter	NT-S-DP-STR-AVB	NCI Cluster Deployment or Expansion - Starter - AHV - Base	Starter	AHV Nodes
NCI Starter	NT-S-DP-STR-AVV	NCI Cluster Deployment or Expansion - Starter - AHV - Var	Starter	AHV Nodes
NCI Starter	NT-S-DP-STR-EXB	NCI Cluster Deployment or Expansion - Starter - ESX - Base	Starter	ESX Nodes
NCI Starter	NT-S-DP-STR-EXV	NCI Cluster Deployment or Expansion - Starter - ESX - Var	Starter	ESX Nodes
NCI Pro	NT-S-DP-PRO-AV-SB	NCI Cluster Deployment or Expansion - Starter - AHV - Base	Starter	AHV Nodes
NCI Pro	NT-S-DP-PRO-AV-SV	NCI Cluster Deployment or Expansion - Starter - AHV - Var	Starter	AHV Nodes
NCI Pro	NT-S-DP-PRO-EX-SV	NCI Cluster Deployment or Expansion - Starter - ESX - Var	Starter	ESX Nodes
NCI Pro	NT-S-DP-PRO-EX-SB	NCI Cluster Deployment or Expansion - Starter - ESX - Base	Starter	ESX Nodes
NCI Pro	NT-S-DP-PRO-AV-PB	NCI Cluster Deployment or Expansion - Pro - AHV - Base	Pro	AHV Nodes
NCI Pro	NT-S-DP-PRO-AV-PV	NCI Cluster Deployment or Expansion - Pro - AHV - Var	Pro	AHV Nodes
NCI Pro	NT-S-DP-PRO-EX-PB	NCI Cluster Deployment or Expansion - Pro - ESX - Base	Pro	ESX Nodes
NCI Pro	NT-S-DP-PRO-EX-PV	NCI Cluster Deployment or Expansion - Pro - ESX - Var	Pro	ESX Nodes

Table 36.1 NCI Cluster Deployment or Expansion

NCI Ultimate	NT-S-DP-ULT-AV-SB	NCI Cluster Deployment or Expansion - Starter - AHV - Base	Starter	AHV Nodes
NCI Ultimate	NT-S-DP-ULT-AV-SV	NCI Cluster Deployment or Expansion - Starter - AHV - Var	Starter	AHV Nodes
NCI Ultimate	NT-S-DP-ULT-EX-SB	NCI Cluster Deployment or Expansion - Starter - ESX - Base	Starter	ESX Nodes
NCI Ultimate	NT-S-DP-ULT-EX-SV	NCI Cluster Deployment or Expansion - Starter - ESX - Var	Starter	ESX Nodes
NCI Ultimate	NT-S-DP-ULT-AV-PB	NCI Cluster Deployment or Expansion - Pro - AHV - Base	Pro	AHV Nodes
NCI Ultimate	NT-S-DP-ULT-AV-PV	NCI Cluster Deployment or Expansion - Pro - AHV - Var	Pro	AHV Nodes
NCI Ultimate	NT-S-DP-ULT-EX-PB	NCI Cluster Deployment or Expansion - Pro - ESX - Base	Pro	ESX Nodes
NCI Ultimate	NT-S-DP-ULT-EX-PV	NCI Cluster Deployment or Expansion - Pro - ESX - Var	Pro	ESX Nodes
NCI Ultimate	NT-S-DP-ULT-AV-UB	NCI Cluster Deployment or Expansion- Ultimate - AHV - Base	Ultimate	AHV Nodes
NCI Ultimate	NT-S-DP-ULT-AV-UV	NCI Cluster Deployment or Expansion- Ultimate - AHV - Var	Ultimate	AHV Nodes
NCI Ultimate	NT-S-DP-ULT-EX-UB	NCI Cluster Deployment or Expansion- Ultimate - ESX - Base	Ultimate	ESX Nodes
NCI Ultimate	NT-S-DP-ULT-EX-UV	NCI Cluster Deployment or Expansion- Ultimate - ESX - Var	Ultimate	ESX Nodes

Table 38.0, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) 1 YEAR SUBSCRIPTION with professional services PID Mapping**Table 38.1, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) 3 YEAR SUBSCRIPTION with professional services PID Mapping**

(3) Virtual Machine Migration Workshop:

The Virtual Machine Migration Workshop offers IT teams in-depth and practical guidance to create a comprehensive virtual machine migration plan for migrating virtual machines to Nutanix Cloud Infrastructure (NCI). This offer is ideal for the Migrate state of a Hybrid Multicloud journey.



NOTE:

- For more information on Virtual Machine Migration Workshop, please visit - <https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/sd-virtual-machine-migration-workshop.pdf>
- For more information on Cisco version of Nutanix Professional services, please visit - <https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/professional-services-service-descriptions-cisco.pdf>

Table 36.2 Virtual Machine Migration Workshop

Nutanix Software Product/Edition	Cisco Product PID	Cisco PID Description PS Offer Name - PS Offer Edition - PS Offer Option - Base/Variable	Nutanix PS Edition	Nutanix PS Option
NCI Starter	NT-W-MG-STR-SD	Virtual Machine Migration Workshop - Standard Doc	None	Standard Documentation
NCI Starter	NT-W-MG-STR-ED	Virtual Machine Migration Workshop - Enhanced Doc	None	Enhanced Documentation
NCI Pro	NT-W-MG-PRO-SD	Virtual Machine Migration Workshop - Standard Doc	None	Standard Documentation
NCI Pro	NT-W-MG-PRO-ED	Virtual Machine Migration Workshop - Enhanced Doc	None	Enhanced Documentation
NCI Ultimate	NT-W-MG-ULT-SD	Virtual Machine Migration Workshop - Standard Doc	None	Standard Documentation
NCI Ultimate	NT-W-MG-ULT-ED	Virtual Machine Migration Workshop - Enhanced Doc	None	Enhanced Documentation

Table 38.0, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 38.1, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) 3 YEAR SUBSCRIPTION with professional services PID Mapping

(4) Virtual Machine Migration:

Virtual machine (VM) Migration offers IT teams strong domain expertise to migrate virtual machines to Nutanix Cloud Infrastructure (NCI) per the customer-provided migration plan. This offer is ideal for the Migrate stage of a Hybrid Multicloud journey



NOTE:

- For more information on Virtual Machine Migration, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/sd-virtual-machine-migration.pdf>
- For more information on Cisco version of Nutanix Professional services, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/professional-services-service-descriptions-cisco.pdf>

Table 36.3 Virtual Machine Migration

Nutanix Software Product/Edition	Cisco Product PID	Cisco PID Description PS Offer Name - PS Offer Edition - PS Offer Option - Base/Variable	Nutanix PS Edition	Nutanix PS Option
NCI Starter	NT-S-MG-VM-STR-AVB	Virtual Machine Migration - From AHV - Base	None	From AHV
NCI Starter	NT-S-MG-VM-STR-AVV	Virtual Machine Migration - From AHV - Var	None	From AHV
NCI Starter	NT-S-MG-VM-STR-EXB	Virtual Machine Migration - From ESX - Base	None	From ESX
NCI Starter	NT-S-MG-VM-STR-EXV	Virtual Machine Migration - From ESX - Var	None	From ESX
NCI Pro	NT-S-MG-VM-PRO-AVB	Virtual Machine Migration - From AHV - Base	None	From AHV
NCI Pro	NT-S-MG-VM-PRO-AVV	Virtual Machine Migration - From AHV - Var	None	From AHV
NCI Pro	NT-S-MG-VM-PRO-EXB	Virtual Machine Migration - From ESX - Base	None	From ESX
NCI Pro	NT-S-MG-VM-PRO-EXV	Virtual Machine Migration - From ESX - Var	None	From ESX
NCI Ultimate	NT-S-MG-VM-ULT-AVB	Virtual Machine Migration - From AHV - Base	None	From AHV
NCI Ultimate	NT-S-MG-VM-ULT-AVV	Virtual Machine Migration - From AHV - Var	None	From AHV
NCI Ultimate	NT-S-MG-VM-ULT-EXB	Virtual Machine Migration - From ESX - Base	None	From ESX
NCI Ultimate	NT-S-MG-VM-ULT-EXV	Virtual Machine Migration - From ESX - Var	None	From ESX

Table 38.0, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 38.1, Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) 3 YEAR SUBSCRIPTION with professional services PID Mapping

(5) NCM Self-Service Design Workshop:

The Nutanix Cloud Management (NCM) Self-Service Design Workshop offers automation teams in-depth and practical guidance to create a comprehensive design for application-centric infrastructure automation and lifecycle management (LCM) platforms to streamline and accelerate application development. This workshop is beneficial during the Design stage of a Hybrid Multicloud journey.

**NOTE:**

- For more information on Nutanix Cloud Management (NCM) Self-Service Design Workshop, please visit-
<https://www.nutanix.com/content/dam/nutanix/resources/datasheets/professional-services-service-descriptions.pdf>
- For more information on Cisco version of Nutanix Professional services, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/professional-services-service-descriptions-cisco.pdf>

Table 36.4 NCM Self-Service Design Workshop

Nutanix Software Product/Edition	Cisco Product PID	Cisco PID Description PS Offer Name - PS Offer Edition - PS Offer Option - Base/Variable	Nutanix PS Edition	Nutanix PS Option
NCM Pro	NT-W-SSD-PRO-SD-S	NCM Self-Service Design Workshop - Starter - Standard Doc	Starter	Standard Documentation
NCM Pro	NT-W-SSD-PRO-ED-S	NCM Self-Service Design Workshop - Starter - Enhanced Doc	Starter	Enhanced Documentation
NCM Pro	NT-W-SSD-PRO-SD-P	NCM Self-Service Design Workshop - Pro - Standard Doc	Pro	Standard Documentation
NCM Pro	NT-W-SSD-PRO-ED-P	NCM Self-Service Design Workshop - Pro - Enhanced Doc	Pro	Enhanced Documentation
NCM Ultimate	NT-W-SSD-ULT-SD-S	NCM Self-Service Design Workshop - Starter - Standard Doc	Starter	Standard Documentation
NCM Ultimate	NT-W-SSD-ULT-ED-S	NCM Self-Service Design Workshop - Starter - Enhanced Doc	Starter	Enhanced Documentation
NCM Ultimate	NT-W-SSD-ULT-SD-P	NCM Self-Service Design Workshop - Pro - Standard Doc	Pro	Standard Documentation
NCM Ultimate	NT-W-SSD-ULT-ED-P	NCM Self-Service Design Workshop - Pro - Enhanced Doc	Pro	Enhanced Documentation

Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping

Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services

(6) NCM Intelligent Operations Design:

The Nutanix Cloud Management (NCM) Intelligent Operations Design Workshop offers IT teams in-depth and practical guidance to create a comprehensive design for Nutanix X-Play automation and playbooks to automate common tasks.



NOTE:

- For more information on NCM Intelligent Operations Design Workshop, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/sd-ncm-intelligent-operations-design.pdf>
- For more information on Cisco version of Nutanix Professional services, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/professional-services-service-descriptions-cisco.pdf>

Table 36.5 NCM Intelligent Operations Design Workshop

Nutanix Software Product/Edition	Cisco Product PID	Cisco PID Description PS Offer Name - PS Offer Edition - PS Offer Option - Base/Variable	Nutanix PS Edition	Nutanix PS Option
NCM Starter	NT-W-OD-STR-SD	NCM Intelligent Operations Design Workshop - Standard Doc	None	Standard Documentation
NCM Starter	NT-W-OD-STR-ED	NCM Intelligent Operations Design Workshop - Enhanced Doc	None	Enhanced Documentation
NCM Pro	NT-W-OD-PRO-SD	NCM Intelligent Operations Design Workshop - Standard Doc	None	Standard Documentation
NCM Pro	NT-W-OD-PRO-ED	NCM Intelligent Operations Design Workshop - Enhanced Doc	None	Enhanced Documentation
NCM Ultimate	NT-W-OD-ULT-SD	NCM Intelligent Operations Design Workshop - Standard Doc	None	Standard Documentation
NCM Ultimate	NT-W-OD-ULT-ED	NCM Intelligent Operations Design Workshop - Enhanced Doc	None	Enhanced Documentation

Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping

Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services

(7) NCM Intelligent Operations Deployment:

The Nutanix Cloud Management (NCM) Intelligent Operations Deployment accelerates the deployment of Nutanix X-Play automation and playbooks to automate common tasks with in-depth expertise from highly skilled consultants.



NOTE:

- For more information on NCM Intelligent Operations Deployment Workshop, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/sd-ncm-intelligent-operations-deployment.pdf>
- For more information on Cisco version of Nutanix Professional services, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/professional-services-service-descriptions-cisco.pdf>

Table 36.6 NCM Intelligent Operations Deployment

Nutanix Software Product/Edition	Cisco Product PID	Cisco PID Description PS Offer Name - PS Offer Edition - PS Offer Option - Base/Variable	Nutanix PS Edition	Nutanix PS Option
NCM Starter	NT-S-OP-STR	NCM Intelligent Operations Deployment	None	None
NCM Pro	NT-S-OP-PRO	NCM Intelligent Operations Deployment	None	None
NCM Ultimate	NT-S-OP-ULT	NCM Intelligent Operations Deployment	None	None

Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping

Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services

(8) FastTrack for NCM Self-Service:

FastTrack for Nutanix Cloud Manager (NCM) Self-Service accelerates the deployment and configuration of NCM Self-Service, which streamlines how teams manage, deploy, and scale applications across hybrid clouds with self-service, automation, and centralized role-based governance, with expertise from highly skilled automation consultants.

**NOTE:**

- For more information on Fast Track for NCM Self-Service, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/sd-ncm-intelligent-operations-deployment.pdf>
- For more information on Cisco version of Nutanix Professional services, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/professional-services-service-descriptions-cisco.pdf>

Table 36.7 FastTrack for NCM Self-Service

Nutanix Software Product/Edition	Cisco Product PID	Cisco PID Description PS Offer Name - PS Offer Edition - PS Offer Option - Base/Variable	Nutanix PS Edition	Nutanix PS Option
NCM Pro	NT-F-PRO-SS	FastTrack for NCM Self-Service	None	None
NCM Ultimate	NT-F-ULT-SS	FastTrack for NCM Self-Service	None	None

Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping

Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services

(9) FastTrack for NCM Cost Governance:

The FastTrack for Nutanix Cloud Management (NCM) Cost Governance accelerates the onboarding of deep visibility and rich analytics detailing cloud consumption patterns along with one-click cost optimization across cloud environments with expertise from highly skilled consultants. IT teams can choose to onboard on-premises Nutanix Cloud Infrastructure (NCI) clusters or a public cloud platform.

**NOTE:**

- For more information on Fast Track for NCM Cost Governance, please visit - <https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/sd-ncm-intelligent-operations-deployment.pdf>
- For more information on Cisco version of Nutanix Professional services, please visit - <https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/professional-services-service-descriptions-cisco.pdf>

Table 36.8 FastTrack for NCM Cost Governance

Nutanix Software Product/Edition	Cisco Product PID	Cisco PID Description PS Offer Name - PS Offer Edition - PS Offer Option - Base/Variable	Nutanix PS Edition	Nutanix PS Option
NCM Pro	NT-F-PRO-CG	FastTrack for NCM Cost Governance	None	None
NCM Ultimate	NT-F-ULT-CG	FastTrack for NCM Cost Governance	None	None

Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping

Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services

(10) Nutanix Services Flexible Credits:

Nutanix Flex Credits provide a credits program for purchasing Nutanix Professional Services. This program provides the flexibility to utilize your budget cycles to pre-buy credits for future use of Nutanix Professional Services and training via redemption of credits. Within the terms of validity of your Flex Credits, use the credits for the portfolio of Nutanix Professional Services including Consulting, Resident, Technical Account Manager, and Education.



NOTE:

- For more information on Nutanix Services Flexible Credits, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/sd-ncm-intelligent-operations-deployment.pdf>
- For more information on Cisco version of Nutanix Professional services, please visit -
<https://www.nutanix.com/content/dam/nutanix/resources/service-descriptions/professional-services-service-descriptions-cisco.pdf>

Table 36.9 Nutanix Flexible Credits

Nutanix Software Product/Edition	Cisco Product PID	Cisco PID Description PS Offer Name - PS Offer Edition - PS Offer Option - Base/Variable	Nutanix PS Edition	Nutanix PS Option
All	NT-FLEX-CST-CR	Nutanix Services Flexible Credits (1 QTY = 100 Credits)	None	None

Table 39.0, Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping

Table 39.1, Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping

Table 40, Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) 1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION with Professional services

Nutanix Support:

Table 37 Nutanix Support

Product ID (PID)	PID Description
Nutanix Support	
SVS-NT-SUP	Entitlement ONLY for Nutanix Cloud Infrastructure SW

Software With Professional Services PID Mapping



NOTE: Recommended to select the matching/higher level of service options for the subscribed software. For example: If ULT (Ultimate) software is selected, recommended to choose the ULT services from the below columns. However, it is allowed to select the lower version of the services.

Table 38.0 Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) **1 YEAR SUBSCRIPTION** with professional services PID Mapping

Software PIDs	Mandatory Professional Services PIDs	
	NCI Design Workshop (select one service)	NCI Cluster Deployment or Expansion (select a Pair of service)
STR: NCI NT-NCI-STR-PR NT-NCI-STR-MC NT-NCI-STR-AP NT-NCI-STR-AM NT-NCI-STR-FP NT-NCI-STR-FM NCI-D NT-NCI-D-STR-PR NT-NCI-D-STR-MC NT-NCI-D-STR-AP NT-NCI-D-STR-AM NT-NCI-D-STR-FP NT-NCI-D-STR-FM EUC NT-EUC-STR-PR NT-EUC-STR-MC NT-EUC-STR-AP NT-EUC-STR-AM NT-EUC-STR-FP NT-EUC-STR-FM NKP (FS-STR) NT-NKP-FS-STR-PR NT-NKP-FS-STR-MC NT-NKP-FS-STR-AP NT-NKP-FS-STR-AM NT-NKP-FS-STR-FP NT-NKP-FS-STR-FM	STR: NT-W-DS-STR NT-W-DS-STR-SD NT-W-DS-STR-ED PRO: NT-W-DS-PRO NT-W-DS-PRO-SD NT-W-DS-PRO-ED ULT: NT-W-DS-ULT-SD NT-W-DS-ULT-ED	STR: NT-S-DP-STR-AVB and NT-S-DP-STR-AVV or NT-S-DP-STR-EXB and NT-S-DP-STR-EXV PRO: NT-S-DP-PRO-AV-SB and NT-S-DP-PRO-AV-SV or NT-S-DP-PRO-EX-SB and NT-S-DP-PRO-EX-SV or NT-S-DP-PRO-AV-PB and NT-S-DP-PRO-AV-PV or NT-S-DP-PRO-EX-PB and NT-S-DP-PRO-EX-PV ULT: NT-S-DP-ULT-AV-SB and NT-S-DP-ULT-AV-SV or NT-S-DP-ULT-EX-SB and NT-S-DP-ULT-EX-SV or NT-S-DP-ULT-AV-PB and NT-S-DP-ULT-AV-PV or NT-S-DP-ULT-EX-PB and NT-S-DP-ULT-EX-PV or NT-S-DP-ULT-AV-UB and NT-S-DP-ULT-AV-UV or NT-S-DP-ULT-EX-UB and NT-S-DP-ULT-EX-UV

Table 38.0 Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) **1 YEAR SUBSCRIPTION**
with professional services PID Mapping

PRO: NCI NT-NCI-PRO-PR NT-NCI-PRO-MC NT-NCI-PRO-AP NT-NCI-PRO-AM NT-NCI-PRO-FP NT-NCI-PRO-FM NCI-D NT-NCI-D-PRO-PR NT-NCI-D-PRO-MC NT-NCI-D-PRO-AP NT-NCI-D-PRO-AM NT-NCI-D-PRO-FP NT-NCI-D-PRO-FM EUC NT-EUC-PRO-PR NT-EUC-PRO-MC NT-EUC-PRO-AP NT-EUC-PRO-AM NT-EUC-PRO-FP NT-EUC-PRO-FM NCP (NCI-PRO) NT-NCP-NCI-PRO-PR NT-NCP-NCI-PRO-MC NT-NCP-NCI-PRO-AP NT-NCP-NCI-PRO-AM NT-NCP-NCI-PRO-FP NT-NCP-NCI-PRO-FM NKP NT-NKP-PRO-PR NT-NKP-PRO-MC NT-NKP-PRO-AP NT-NKP-PRO-AM NT-NKP-PRO-FP NT-NKP-PRO-FM NKP (FS-PRO) NT-NKP-FS-PRO-PR NT-NKP-FS-PRO-MC NT-NKP-FS-PRO-AP NT-NKP-FS-PRO-AM NT-NKP-FS-PRO-FP NT-NKP-FS-PRO-FM			
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Table 38.0 Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCP (NCI-PRO), NCP (NCI-ULT) **1 YEAR SUBSCRIPTION**
with professional services PID Mapping

ULT: NCI NT-NCI-ULT-PR NT-NCI-ULT-MC NT-NCI-ULT-AP NT-NCI-ULT-AM NT-NCI-ULT-FP NT-NCI-ULT-FM NCI-D NT-NCI-D-ULT-PR NT-NCI-D-ULT-MC NT-NCI-D-ULT-AP NT-NCI-D-ULT-AM NT-NCI-D-ULT-FP NT-NCI-D-ULT-FM EUC NT-EUC-ULT-PR NT-EUC-ULT-MC NT-EUC-ULT-AP NT-EUC-ULT-AM NT-EUC-ULT-FP NT-EUC-ULT-FM NCP (NCI-ULT) NT-NCP-NCI-ULT-PR NT-NCP-NCI-ULT-MC NT-NCP-NCI-ULT-AP NT-NCP-NCI-ULT-AM NT-NCP-NCI-ULT-FP NT-NCP-NCI-ULT-FM NKP NT-NKP-ULT-PR NT-NKP-ULT-MC NT-NKP-ULT-AP NT-NKP-ULT-AM NT-NKP-ULT-FP NT-NKP-ULT-FM NKP (FS-ULT) NT-NKP-FS-ULT-PR NT-NKP-FS-ULT-MC NT-NKP-FS-ULT-AP NT-NKP-FS-ULT-AM NT-NKP-FS-ULT-FP NT-NKP-FS-ULT-FM			
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NOTE: Recommended to select the matching/higher level of service options for the subscribed software. For example: If ULT (Ultimate) software is selected, recommended to choose the ULT services from the below columns. However, it is allowed to select the lower version of the services.

Table 38.1 Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) **3 YEAR SUBSCRIPTION** with professional services PID Mapping

Software PIDs	Mandatory Professional Services PIDs	
	NCI Design Workshop (select one service)	NCI Cluster Deployment or Expansion (select a Pair of service)
STR: NCI NT-NCI-STR-PR NT-NCI-STR-MC NT-NCI-STR-AP NT-NCI-STR-AM NT-NCI-STR-FP NT-NCI-STR-FM	STR: NT-W-DS-STR NT-W-DS-STR-SD NT-W-DS-STR-ED PRO: NT-W-DS-PRO NT-W-DS-PRO-SD NT-W-DS-PRO-ED	STR: NT-S-DP-STR-AVB and NT-S-DP-STR-AVV or NT-S-DP-STR-EXB and NT-S-DP-STR-EXV PRO: NT-S-DP-PRO-AV-SB and NT-S-DP-PRO-AV-SV or NT-S-DP-PRO-EX-SB and NT-S-DP-PRO-EX-SV or NT-S-DP-PRO-AV-PB and NT-S-DP-PRO-AV-PV or NT-S-DP-PRO-EX-PB and NT-S-DP-PRO-EX-PV
NCI-D NT-NCI-D-STR-PR NT-NCI-D-STR-MC NT-NCI-D-STR-AP NT-NCI-D-STR-AM NT-NCI-D-STR-FP NT-NCI-D-STR-FM	ULT: NT-W-DS-ULT-SD NT-W-DS-ULT-ED	ULT: NT-S-DP-ULT-AV-SB and NT-S-DP-ULT-AV-SV or NT-S-DP-ULT-EX-SB and NT-S-DP-ULT-EX-SV or NT-S-DP-ULT-AV-PB and NT-S-DP-ULT-AV-PV or NT-S-DP-ULT-EX-PB and NT-S-DP-ULT-EX-PV or NT-S-DP-ULT-AV-UB and NT-S-DP-ULT-AV-UV or NT-S-DP-ULT-EX-UB and NT-S-DP-ULT-EX-UV
EUC NT-EUC-STR-PR NT-EUC-STR-MC NT-EUC-STR-AP NT-EUC-STR-AM NT-EUC-STR-FP NT-EUC-STR-FM		
NKP (FS-STR) NT-NKP-FS-STR-PR NT-NKP-FS-STR-MC NT-NKP-FS-STR-AP NT-NKP-FS-STR-AM NT-NKP-FS-STR-FP NT-NKP-FS-STR-FM		

Table 38.1 Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) **3 YEAR SUBSCRIPTION** with professional services PID Mapping

PRO:			
NCI			
NT-NCI-PRO-PR			
NT-NCI-PRO-MC			
NT-NCI-PRO-AP			
NT-NCI-PRO-AM			
NT-NCI-PRO-FP			
NT-NCI-PRO-FM			
NCI-D			
NT-NCI-D-PRO-PR			
NT-NCI-D-PRO-MC			
NT-NCI-D-PRO-AP			
NT-NCI-D-PRO-AM			
NT-NCI-D-PRO-FP			
NT-NCI-D-PRO-FM			
EUC			
NT-EUC-PRO-PR			
NT-EUC-PRO-MC			
NT-EUC-PRO-AP			
NT-EUC-PRO-AM			
NT-EUC-PRO-FP			
NT-EUC-PRO-FM			
NCP (NCI-PRO)			
NT-NCP-NCI-PRO-PR			
NT-NCP-NCI-PRO-MC			
NT-NCP-NCI-PRO-AP			
NT-NCP-NCI-PRO-AM			
NT-NCP-NCI-PRO-FP			
NT-NCP-NCI-PRO-FM			
NKP			
NT-NKP-PRO-PR			
NT-NKP-PRO-MC			
NT-NKP-PRO-AP			
NT-NKP-PRO-AM			
NT-NKP-PRO-FP			
NT-NKP-PRO-FM			
NKP (FS-PRO)			
NT-NKP-FS-PRO-PR			
NT-NKP-FS-PRO-MC			
NT-NKP-FS-PRO-AP			
NT-NKP-FS-PRO-AM			
NT-NKP-FS-PRO-FP			
NT-NKP-FS-PRO-FM			

Table 38.1 Nutanix Software NCI, NKP, NCI-D, NCI-Edge, EUC, NCM-U, NCP (NCI-PRO), NCP (NCI-ULT) **3 YEAR SUBSCRIPTION** with professional services PID Mapping

ULT: NCI NT-NCI-ULT-PR NT-NCI-ULT-MC NT-NCI-ULT-AP NT-NCI-ULT-AM NT-NCI-ULT-FP NT-NCI-ULT-FM NCI-D NT-NCI-D-ULT-PR NT-NCI-D-ULT-MC NT-NCI-D-ULT-AP NT-NCI-D-ULT-AM NT-NCI-D-ULT-FP NT-NCI-D-ULT-FM EUC NT-EUC-ULT-PR NT-EUC-ULT-MC NT-EUC-ULT-AP NT-EUC-ULT-AM NT-EUC-ULT-FP NT-EUC-ULT-FM NCP (NCI-ULT) NT-NCP-NCI-ULT-PR NT-NCP-NCI-ULT-MC NT-NCP-NCI-ULT-AP NT-NCP-NCI-ULT-AM NT-NCP-NCI-ULT-FP NT-NCP-NCI-ULT-FM NKP NT-NKP-ULT-PR NT-NKP-ULT-MC NT-NKP-ULT-AP NT-NKP-ULT-AM NT-NKP-ULT-FP NT-NKP-ULT-FM NKP (FS-ULT) NT-NKP-FS-ULT-PR NT-NKP-FS-ULT-MC NT-NKP-FS-ULT-AP NT-NKP-FS-ULT-AM NT-NKP-FS-ULT-FP NT-NKP-FS-ULT-FM			
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NOTE: Recommended to select the matching/higher level of service options for the subscribed software. For example: If ULT (Ultimate) software is selected, recommended to choose the ULT services from the below columns. However, it is allowed to select the lower version of the services.

Table 39.0 Nutanix Software NCM STR 1 YEAR SUBSCRIPTION with professional services PID Mapping

Software PIDs	Mandatory Professional Services PIDs	
	NCM Intelligent Operations Design (select one service)	NCM Intelligent Operations Deployment (select one service)
STR: NCM NT-NCM-STR-PR NT-NCM-STR-MC NT-NCM-STR-AP NT-NCM-STR-AM NT-NCM-STR-FP NT-NCM-STR-FM	STR: NT-W-OD-STR-SD NT-W-OD-STR-ED PRO: NT-W-OD-PRO-SD NT-W-OD-PRO-ED ULT: NT-W-OD-ULT-SD NT-W-OD-ULT-ED	STR: NT-S-OP-STR PRO: NT-S-OP-PRO ULT: NT-S-OP-ULT
NCM-U NT-NCM-U-STR-PR NT-NCM-U-STR-MC NT-NCM-U-STR-AP NT-NCM-U-STR-AM NT-NCM-U-STR-FP NT-NCM-U-STR-FM		



NOTE: Recommended to select the matching/higher level of service options for the subscribed software. For example: If ULT (Ultimate) software is selected, recommended to choose the ULT services from the below columns. However, it is allowed to select the lower version of the services.

Table 39.1 Nutanix Software NCM STR 3 YEAR AND ABOVE SUBSCRIPTION with Professional Services PID Mapping

Software PIDs	Recommended Professional Services PIDs	
	NCM Intelligent Operations Design (select one service)	NCM Intelligent Operations Deployment (select one service)
STR: NCM NT-NCM-STR-PR NT-NCM-STR-MC NT-NCM-STR-AP NT-NCM-STR-AM NT-NCM-STR-FP NT-NCM-STR-FM NCM-U NT-NCM-U-STR-PR NT-NCM-U-STR-MC NT-NCM-U-STR-AP NT-NCM-U-STR-AM NT-NCM-U-STR-FP NT-NCM-U-STR-FM	STR: NT-W-OD-STR-SD NT-W-OD-STR-ED PRO: NT-W-OD-PRO-ED ULT: NT-W-OD-ULT-SD NT-W-OD-ULT-ED	STR: NT-S-OP-STR PRO: NT-S-OP-PRO ULT: NT-S-OP-ULT



NOTE: Recommended to select the matching/higher level of service options for the subscribed software. For example: If ULT (Ultimate) software is selected, recommended to choose the ULT services from the below columns. However, it is allowed to select the lower version of the services.

Table 40 Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) **1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION** with Professional services

Software PIDs	Mandatory Professional Services PIDs				
	NCM Self-Service DesignWorkshop (select one service)	NCM Intelligent Operations Design (select one service)	NCM Intelligent Operations Deployment (select one service)	FastTrack for NCM Self-Service (select one service)	FastTrack for NCM Cost Governance (select one service)
PRO: NCM NT-NCM-PRO-PR NT-NCM-PRO-MC NT-NCM-PRO-AP NT-NCM-PRO-AM NT-NCM-PRO-FP NT-NCM-PRO-FM NCM-U NT-NCM-U-PRO-PR NT-NCM-U-PRO-MC NT-NCM-U-PRO-AP NT-NCM-U-PRO-AM NT-NCM-U-PRO-FP NT-NCM-U-PRO-FM NCP (NCM-PRO) NT-NCP-NCM-PRO-PR NT-NCP-NCM-PRO-MC NT-NCP-NCM-PRO-AP NT-NCP-NCM-PRO-AM NT-NCP-NCM-PRO-FP NT-NCP-NCM-PRO-FM ULT: NCM NT-NCM-ULT-PR NT-NCM-ULT-MC NT-NCM-ULT-AP NT-NCM-ULT-AM NT-NCM-ULT-FP NT-NCM-ULT-FM	PRO: NT-W-SSD-PRO-SD-S NT-W-SSD-PRO-ED-S NT-W-SSD-PRO-SD-P NT-W-SSD-PRO-ED-P ULT: NT-W-SSD-ULT-SD-S NT-W-SSD-ULT-ED-S NT-W-SSD-ULT-SD-P NT-W-SSD-ULT-ED-P	STR: NT-W-OD-STR-SD NT-W-OD-STR-ED PRO: NT-W-OD-PRO-SD NT-W-OD-PRO-ED ULT: NT-W-OD-ULT-SD NT-W-OD-ULT-ED	STR: NT-S-OP-STR PRO: NT-S-OP-PRO ULT: NT-S-OP-ULT	PRO: NT-F-PRO-SS ULT: NT-F-ULT-SS	PRO: NT-F-PRO-CG ULT: NT-F-ULT-CG

Table 40 Nutanix Software NCM PRO, NCM ULT, NCP (NCM-PRO), NCP (NCM-ULT) **1 YEAR AND 3 YEAR & ABOVE SUBSCRIPTION** with Professional services

NCM-U NT-NCM-U-ULT-PR NT-NCM-U-ULT-MC NT-NCM-U-ULT-AP NT-NCM-U-ULT-AM NT-NCM-U-ULT-FP NT-NCM-U-ULT-FM					
NCP (NCM-ULT) NT-NCP-NCM-ULT-PR NT-NCP-NCM-ULT-MC NT-NCP-NCM-ULT-AP NT-NCP-NCM-ULT-AM NT-NCP-NCM-ULT-FP NT-NCP-NCM-ULT-FM					



STEP 20 CISCO INTERSIGHT

Cisco Intersight™ is a Software-as-a-Service (SaaS) hybrid cloud operations platform which delivers intelligent automation, observability, and optimization to customers for traditional and cloud-native applications and infrastructure.

Product ID (PID)	
DC-MGT-SAAS	Cisco Intersight SaaS

Select Cisco Intersight subscription option as desired from [Table 41](#)

Table 41 Cisco Intersight

Product ID (PID)	PID Description
Cisco Intersight 2.0 Infrastructure Services	
DC-MGT-IS-SAAS-ES ¹	Infrastructure Services SaaS/CVA - Essentials
DC-MGT-IS-SAAS-AD ¹	Infrastructure Services SaaS/CVA - Advantage
DC-MGT-IS-PVAPP-ES ¹	Infrastructure Services PVA - Essentials
DC-MGT-IS-PVAPP-AD ¹	Infrastructure Services PVA - Advantage
Add-Ons	
DC-MGT-IS-UCSD	UCS Director - 1 Server License (includes Network, Storage)
Cisco Intersight Workload Optimizer (IWO) - SaaS	
VM Instance	
DC-MGT-WO-SAAS-ES ¹	Cisco Intersight Workload Optimizer SaaS - Essentials
DC-MGT-WO-SAAS-AD ¹	Cisco Intersight Workload Optimizer SaaS - Advantage
DC-MGT-WO-SAAS-PR ¹	Cisco Intersight Workload Optimizer SaaS - Premier
VDI Instance	
DC-MGT-WOD-SAAS-ES ¹	Cisco Intersight Workload Optimizer SaaS VDI - Essentials
DC-MGT-WOD-SAAS-AD ¹	Cisco Intersight Workload Optimizer SaaS VDI - Advantage
DC-MGT-WOD-SAAS-PR ¹	Cisco Intersight Workload Optimizer SaaS VDI - Premier

Notes:

1. Smart account (SA) required

Select Cisco Intersight support option as desired from *Table 42*

Table 42 Cisco Intersight Support

Product ID (PID)	PID Description
Cisco Intersight Support	
SVS-SSTCS-DCMGMT ¹	Solution Support for DC Mgmt
SVS-L1DCS-INTER ¹	CXL1 for INTERSIGHT
SVS-L2DCS-INTER ¹	CXL2 for INTERSIGHT
SVS-DCM-SUPT-BAS	Basic Support for DCM

Notes:

1. Smart account (SA) required



NOTE: An Intersight license is required for every server.

SUPPLEMENTAL MATERIAL

Retrofit of Existing UCS Servers

Existing UCS servers that match the base HCI platform (C220 M8 All-Flash/C220 M8 E3S/C240 M8E3S/C240 M8 All-Flash) can be retrofitted to support Nutanix software. UCS servers contain a software feature known as a software defined personality, enabling easy and automatic conversion between a base UCS platform and an HCI appliance supported under the Nutanix OEM program.

To prepare a server for retrofitting, confirm all installed components match all required sections of this document (e.g CPU, Memory, Drive Controller, Drives, Network Adapters, etc.). Special care should be taken to ensure compatible boot media, storage controllers, drives, and networking adapters are selected in line with this document.

For the C240 M8 All-Flash specifically, riser 1B and 3B can be physically installed as long as the drive bays remain unpopulated. Only the 24 front facing drive slots can be populated with SSDs. The HCI version of the 220 all-NVMe chassis is HCINX220C-M8E3S.

UCS servers UCSC-C220-M8S and UCSC-C240-M8SX with U.2/U.3 NVMe drives are not certified for Nutanix HCI and hence can't be retrofitted. However, these servers can be used for Nutanix HCI with SAS/SATA SSD drives. In this case, make sure there is 1 QTY of HBA controller UCSC-HBA-M1L16 installed in 1RU rack and 2 QTY of HBA controller UCSC-HBA-M1L16 installed in 2RU rack server. To retrofit a LFF server, make sure each server has 1 QTY of UCSC-HBAMP1LL32 HBA controller.

Once the server hardware is confirmed to be compatible with this spec sheet, be sure to purchase the appropriate Nutanix software licenses, Intersight licenses, and professional services, as required.

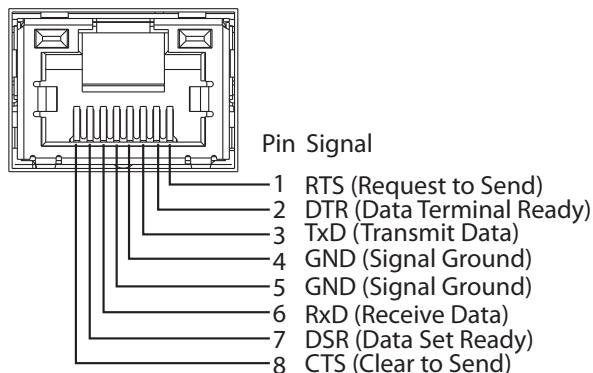
PCIe Port Assignment

Slots	CPU1	CPU2
Riser 1 A	Slot 1: Gen5 x8 Slot 2: Gen5 x16 Slot 3: Gen5 x8	
Riser 1 C	Slot 1: Gen5 x16 Slot 2: Gen5 x16	
Riser 2 A		Slot 4: Gen5 x8 Slot 5: Gen5 x16 Slot 6: Gen5 x8
Riser 2 C		Slot 4: Gen5 x16 Slot 5: Gen5 x16
Riser 3 A		Slot 7: Gen5 x8 Slot 8: Gen5 x8
Riser 3 C		Slot 7: Gen5 x16
mLOM / OCP	Gen4 x16	
RAID/HBA 1	Gen4 x16	
RAID/HBA 2		Gen4 x16
M.2 Boot RAID	Gen3 x2	

Serial Port Details

Figure 5 Serial Port (Female RJ-45 Connector) Pinout

Serial Port (RJ-45 Female Connector)



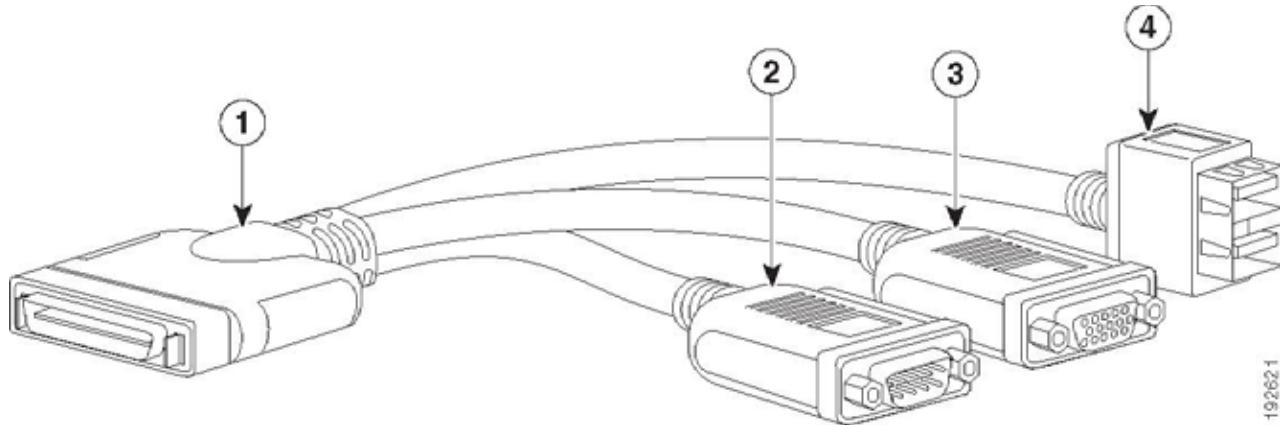
KVM Cable

The KVM cable provides a connection into the server, providing a DB9 serial connector, a VGA connector for a monitor, and dual USB ports for a keyboard and mouse. With this cable, you can create a direct connection to the operating system and the BIOS running on the server.

Table 43 KVM Cable

Product ID (PID)	PID Description
N20-BKVM	KVM cable for UCS Server console port

Figure 6 KVM Cable



192621

1	Connector (to server front panel)	3	VGA connector (for a monitor)
2	DB-9 serial connector	4	Two-port USB connector (for a mouse and keyboard)

TECHNICAL SPECIFICATIONS

Dimensions and Weight

Table 44 Dimensions and Weight

Parameter	Value
Height	3.42 in. (8.7 cm)
Width (including slam latches)	16.9 in.(42.9 cm)
Depth	30 in. (76.2 cm)
Weight	
0*2.5" HDDs, 0*CPU(w/o HS), 0*DIMM, 1*2300W PSU, 2*Raid tray, mLOM, riser cage 1(w/o PCIe), riser cage 2(w/o PCIe), riser cage 3(w/o PCIe)	19.47 kg = 42.92 lb
0*2.5" HDDs, 0*CPU(w/o HS), 0*DIMM, 1*2300W PSU, 2*Raid tray, mLOM, riser cage 1(w/o PCIe), riser cage 2(w/o PCIe), riser cage 3(w/o PCIe), Rail kit	23.23 kg = 51.21 lb
1*2.5" HDDs, 1*CPU(w/HS), 1*DIMM, 1*2300W PSU, 2*Raid tray, mLOM, riser cage 1(w/o PCIe), riser cage 2(w/o PCIe), riser cage 3(w/o PCIe)	20.31 kg = 44.78 lb
1*2.5" HDDs, 1*CPU(w/HS), 1*DIMM, 1*2300W PSU, 2*Raid tray, mLOM, riser cage 1(w/o PCIe), riser cage 2(w/o PCIe), riser cage 3(w/o PCIe), Rail kit	24.07 kg = 53.07 lb
24*2.5" HDDs, 2*CPU(w/HS), 32*DIMM, 2*2300W PSU, 2*Raid tray, mLOM, riser cage 1(w/o PCIe), riser cage 2(w/o PCIe), riser cage 3(w/o PCIe)	28.96 kg = 63.85 lb
24*2.5" HDDs, 2*CPU(w/HS), 32*DIMM, 2*2300W PSU, 2*Raid tray, mLOM, riser cage 1(w/o PCIe), riser cage 2(w/o PCIe), riser cage 3(w/o PCIe), Rail kit	32.72 kg = 72.14 lb

Power Specifications

The server is available with the following types of power supplies:

- 1050W (DC) power supply (see [Table 45](#))
- 1200 W (AC) power supply (see [Table 46](#))
- 1600 W (AC) power supply (see [Table 47](#))
- 2300 W (AC) power supply (see [Table 48](#))

Table 45 1050W (DC) Power Supply Specifications

Parameter	Specification
Input Connector	Molex 42820
Input Voltage Range (V rms)	-48
Maximum Allowable Input Voltage Range (V rms)	-40 to -72
Frequency Range (Hz)	NA
Maximum Allowable Frequency Range (Hz)	NA
Maximum Rated Output (W)	1050
Maximum Rated Standby Output (W)	36
Nominal Input Voltage (V rms)	-48
Nominal Input Current (A rms)	24
Maximum Input at Nominal Input Voltage (W)	1154
Maximum Input at Nominal Input Voltage (VA)	1154
Minimum Rated Efficiency (%) ¹	91
Minimum Rated Power Factor ¹	NA
Maximum Inrush Current (A peak)	15
Maximum Inrush Current (ms)	0.2
Minimum Ride-Through Time (ms) ²	5

Notes:

1. This is the minimum rating required to achieve 80 PLUS Platinum certification, see test reports published at <http://www.80plus.org/> for certified values
2. Time output voltage remains within regulation limits at 100% load, during input voltage dropout

Table 46 1200 W (AC) Power Supply Specifications

Parameter	Specification			
Input Connector	IEC320 C14			
Input Voltage Range (Vrms)	100 to 240			
Maximum Allowable Input Voltage Range (Vrms)	90 to 264			
Frequency Range (Hz)	50 to 60			
Maximum Allowable Frequency Range (Hz)	47 to 63			
Maximum Rated Output (W) ¹	1100		1200	
Maximum Rated Standby Output (W)	48			
Nominal Input Voltage (Vrms)	100	120	208	230
Nominal Input Current (Arms)	12.97	10.62	6.47	5.84
Maximum Input at Nominal Input Voltage (W)	1300	1264	1343	1340
Maximum Input at Nominal Input Voltage (VA)	1300	1266	1345	1342
Minimum Rated Efficiency (%) ²	90	90	91	91
Minimum Rated Power Factor ²	0.97	0.97	0.97	0.97
Maximum Inrush Current (A peak)	20			
Maximum Inrush Current (ms)	0.2			
Minimum Ride-Through Time (ms) ³	12			

Notes:

1. Maximum rated output is limited to 1100W when operating at low-line input voltage (100-127V)
2. This is the minimum rating required to achieve 80 PLUS Titanium certification, see test reports published at <http://www.80plus.org/> for certified values
3. Time output voltage remains within regulation limits at 100% load, during input voltage dropout

Table 47 1600 W (AC) Power Supply Specifications

Parameter	Specification			
Input Connector	IEC320 C14			
Input Voltage Range (V rms)	200 to 240			
Maximum Allowable Input Voltage Range (V rms)	180 to 264			
Frequency Range (Hz)	50 to 60			
Maximum Allowable Frequency Range (Hz)	47 to 63			
Maximum Rated Output (W)	1600			
Maximum Rated Standby Output (W)	36			
Nominal Input Voltage (V rms)	100	120	208	230
Nominal Input Current (A rms)	NA	NA	8.8	7.9
Maximum Input at Nominal Input Voltage (W)	NA	NA	1778	1758
Maximum Input at Nominal Input Voltage (VA)	NA	NA	1833	1813
Minimum Rated Efficiency (%) ¹	NA	NA	90	91
Minimum Rated Power Factor ²	NA	NA	0.97	0.97
Maximum Inrush Current (A peak)	30			
Maximum Inrush Current (ms)	0.2			
Minimum Ride-Through Time (ms) ²	12			

Notes:

1. This is the minimum rating required to achieve 80 PLUS Platinum certification, see test reports published at <http://www.80plus.org/> for certified values
2. Time output voltage remains within regulation limits at 100% load, during input voltage dropout

Table 48 2300 W (AC) Power Supply Specifications

Parameter	Specification			
Input Connector	IEC320 C20			
Input Voltage Range (Vrms)	100 to 240			
Maximum Allowable Input Voltage Range (Vrms)	90 to 264			
Frequency Range (Hz)	50 to 60			
Maximum Allowable Frequency Range (Hz)	47 to 63			
Maximum Rated Output (W) ¹	2300			
Maximum Rated Standby Output (W)	36			
Nominal Input Voltage (Vrms)	100	120	208	230
Nominal Input Current (Arms)	13	11	12	10.8
Maximum Input at Nominal Input Voltage (W)	1338	1330	2490	2480
Maximum Input at Nominal Input Voltage (VA)	1351	1343	2515	2505
Minimum Rated Efficiency (%) ²	92	92	93	93
Minimum Rated Power Factor ²	0.99	0.99	0.97	0.97
Maximum Inrush Current (A peak)	30			
Maximum Inrush Current (ms)	0.2			
Minimum Ride-Through Time (ms) ³	12			

Notes:

1. Maximum rated output is limited to 1200W when operating at low-line input voltage (100-127V)
2. This is the minimum rating required to achieve 80 PLUS Titanium certification, see test reports published at <http://www.80plus.org/> for certified values
3. Time output voltage remains within regulation limits at 100% load, during input voltage dropout



NOTE: For configuration-specific power specifications, use the Cisco UCS Power Calculator at this URL: <http://ucspowercalc.cisco.com>

Compliance Requirements

The regulatory compliance requirements for servers are listed in *Table 49*.

Table 49 Regulatory Compliance Requirements

Parameter	Description
Regulatory Compliance	Products should comply with CE Markings per directives 2014/30/EU and 2014/35/EU
Safety	UL 60950-1/62368-1 CAN/CSA-C22.2 No. 60950-1/62368-1 IEC/EN 60950-1/62368-1 AS/NZS 62368.1 GB 4943.1-2022 CNS 15598-1:2020
EMC - Emissions	47CFR Part 15 (CFR 47) Class A AS/NZS CISPR32 Class A CISPR32 Class A EN55032 Class A ICES003 Class A VCCI-CISPR32 Class A EN61000-3-2 EN61000-3-3 KS C 9832 Class A EN 300386 Class A
EMC - Immunity	EN55035 EN55024 CISPR24/35 EN300386 KS C 9835 IEC/EN61000-6-1



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