

Cisco UCS M7 Servers

Overview



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What did Cisco announce on January 10, 2023?

A Cisco announced new Cisco UCS® X-Series modular and Cisco UCS C-Series rack servers based on 4th Gen Intel® Xeon® Scalable processors.

All servers

- How many cores do the 4th Gen Intel Xeon Scalable CPUs support?
- A Up to 60 cores per socket.
- **Q** What new technologies do these servers support?
- A PCIe Gen 5.0 and DDR5 memory.
- **Q** What Cisco UCS Virtual Interface Cards (VICs) are supported?
- A Cisco UCS VIC 15000 Series VICs are supported including the new 5th Gen mLOM and Mezz 25G adapter with secure boot capability.
- **Q** Are other network adapters (NICs) supported?
- A Yes, a variety of OCP 3.0 and other third-party network cards are supported on Cisco UCS C-Series servers.
 - **Do these servers support Intel Xeon CPU Max Series?** No.

• Are there new GPUs that are supported?

A Yes. The Intel Data Center GPU Flex 140 and Data Center GPU Flex 170 accelerators are supported.

Cisco UCS X210c M7 Compute Node

- **Q** What is the Cisco UCS X210c M7 Compute Node?
- A The X210c M7 is a two-socket modular server. Up to eight servers are supported in the Cisco UCS X9508 Server Chassis.
- Q How much memory is supported?
 - Up to 8 TB.

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- Q How many drives are supported?
- A Up to six Small-Form-Factor (SFF) front-loading hot-pluggable drives NVMe, SAS, or SATA.

Is the X210c M7 supported with the Cisco UCS X440p PCIe Node for GPU-accelerated workloads?

A Yes. Up to four compute nodes and four X440p nodes may be used together in a single X9508 Chassis.

• Does the X210c M7 support the front GPU mezzanine module?

A Yes, the front GPU mezzanine module is fully supported.



Cisco UCS X410c M7 Compute Node

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What is the Cisco UCS X410c M7 Compute Node?

- The X410c M7 is a four-socket modular server. Up to four servers Δ are supported in the Cisco UCS X9508 Server Chassis.
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- How much memory is supported?
- Up to 16 TB. Α



How many drives are supported?

- Up to six Small-Form-Factor (SFF) front-loading hot-pluggable Δ drives - NVMe, SAS, or SATA.
- Is the X410c M7 supported with the Cisco UCS X440p PCIe Q Node for GPU-accelerated workloads?
- Yes. Each X410c M7 node supports one Cisco UCS X440p PCIe Α Nodesⁱ per X9508 Chassis.

Does the X410c M7 support the front GPU mezzanine 0 module?

Yes, the front GPU mezzanine module is fully supported. Α

Cisco UCS C220 M7 Rack Server



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What is the Cisco UCS C220 M7 Rack Server?

The C220 M7 is a one-Rack-Unit (1RU), two-socket server.

How much memory is supported?

Up to 4 TB. Α

How many drives are supported?

Up to 10 Small-Form-Factor (SFF) front-loading hot-pluggable drives - NVMe, SAS, or SATA. M.2 boot drive options are also available.

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- Are there any CPU limitations for the C220 M7?
- The C220 M7 supports a wide range of processors up to 56 cores.



- How many GPUs are supported?
- Up to three GPUs are supported.ⁱ

Cisco UCS C240 M7 Rack Server

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- What is the Cisco UCS C240 M7 Rack Server?
- The C240 M7 is a two-Rack-Unit (2RU), two-socket server. Α
- Q How much memory is supported?
 - Up to 8 TB.ⁱⁱ

How many drives are supported?

Up to 28 Small-Form-Factor (SFF) hot-pluggable drives - NVMe, SAS, or SATA. M.2 boot drive options are also available.

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How many GPUs are supported?

Up to five GPUs are supported.ⁱ Α

¹Support for a second Cisco UCS X440p PCIe Node with a single Cisco UCS X440p PCIe Node support will be added post first customer ship. Post first customer ship.

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