

Cisco UCS M7 Servers

Overview

- Q** **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

- Q** **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.
- Q** **Do these servers support Intel Xeon CPU Max Series?**
- A No.

- Q** **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?**
- A Up to 8 TB.
- Q** **How many drives are supported?**
- A Up to six Small-Form-Factor (SFF) front-loading hot-pluggable drives – NVMe, SAS, or SATA.
- Q** **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.
- Q** **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

- Q What is the Cisco UCS X410c M7 Compute Node?**
A The X410c M7 is a four-socket modular server. Up to four servers are supported in the Cisco UCS X9508 Server Chassis.
- Q How much memory is supported?**
A Up to 16 TB.
- Q How many drives are supported?**
A Up to six Small-Form-Factor (SFF) front-loading hot-pluggable drives – NVMe, SAS, or SATA.
- Q Is the X410c M7 supported with the Cisco UCS X440p PCIe Node for GPU-accelerated workloads?**
A Yes. Each X410c M7 node supports one Cisco UCS X440p PCIe Nodesⁱ per X9508 Chassis.
- Q Does the X410c M7 support the front GPU mezzanine module?**
A Yes, the front GPU mezzanine module is fully supported.

Cisco UCS C220 M7 Rack Server

- Q What is the Cisco UCS C220 M7 Rack Server?**
A The C220 M7 is a one-Rack-Unit (1RU), two-socket server.
- Q How much memory is supported?**
A Up to 4 TB.ⁱⁱ

- Q How many drives are supported?**
A Up to 10 Small-Form-Factor (SFF) front-loading hot-pluggable drives – NVMe, SAS, or SATA. M.2 boot drive options are also available.
- Q Are there any CPU limitations for the C220 M7?**
A The C220 M7 supports a wide range of processors up to 56 cores.
- Q How many GPUs are supported?**
A Up to three GPUs are supported.ⁱ

Cisco UCS C240 M7 Rack Server

- Q What is the Cisco UCS C240 M7 Rack Server?**
A The C240 M7 is a two-Rack-Unit (2RU), two-socket server.
- Q How much memory is supported?**
A Up to 8 TB.ⁱⁱ
- Q How many drives are supported?**
A Up to 28 Small-Form-Factor (SFF) hot-pluggable drives – NVMe, SAS, or SATA. M.2 boot drive options are also available.
- Q How many GPUs are supported?**
A Up to five GPUs are supported.ⁱ

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

ⁱⁱPost first customer ship.