



Cisco UCS Servers with Intel Xeon 6 CPUs



Overview

Q: What did Cisco® announce on February 24, 2025?

A: Cisco announced the:

- Cisco UCS® X210c M8 Compute Node
- Cisco UCS C220 M8 Rack Server
- Cisco UCS C240 M8 Rack Server

Q: What CPU are these servers based on?

A: They are all Intel® Xeon® 6 (6700P or 6500P)-processors.

Cisco UCS X210c M8 Compute Node

Q: What is the X210c M8 Compute Node?

A: The X210c M8 is the fifth compute node for the UCS X-Series Modular System. It is a single slot, two-socket server.

Q: How many cores are supported?

A: Up to 86 cores per CPU are supported.

Q: What are some of the benefits of UCS X210c M8 Compute Node?

A: With its high core count, compute-intensive applications can see significant performance improvements as well as other benefits like power and cost efficiencies.

Q: How much memory is supported?

A: Up to 8 TB of DDR5 memory with speeds up to 6400 MT/s is supported.

Q: How many drives are supported?

A: Up to six Small Form-Factor (SFF) hot-pluggable Non-Volatile Memory Express (NVMe)/Serial Attached SCSI/Serial Advanced Technology Attachment (SAS/SATA) or up to nine hot-pluggable E3.S NVMe drives.

Q: What network adapters are supported?

A: All current Cisco UCS 15000 Series Virtual Interface Cards (VICs) are supported.

Q: How is this server managed?

A: The server is managed with Cisco Intersight®. Optionally, Cisco UCS Manager may be used.

Q: Can I mix and match the X210c M8 Compute Node with M6 and M7 Intel-based compute nodes and M8 AMD-based compute nodes?

A: Yes, you may have M6, M7, and M8 compute nodes in the same chassis regardless of processor.

Q: Can the X210c M8 Compute Node be used with the Cisco UCS X440p PCIe Node?

A: Yes, the UCS X440p PCIe Node is supported for adding Intel or NVIDIA GPUs.

Q: Does the X210c M8 Compute Node support the front GPU mezzanine?

A: Yes, the front GPU mezzanine is supported.

Cisco UCS C220 M8 Rack Server

Q: What is the C220 M8 Rack Server?

A: The C220 M8 is a 1RU, two-socket server.

Q: How many cores are supported?

A: Up to 64 cores are supported.

Q: How much memory is supported?

A: Up to 4 TB of DDR5 memory with speeds up to 6400 MT/s is supported.

Q: How many drives are supported?

A: Up to 10 x SFF SAS/SATA/NVMe or up to 16 E3.S NVMe drives.

Q: What network adapters are supported?

A: All current Cisco UCS 15000 Series Virtual Interface Cards (VICs) and a variety of third-party adapters are supported.

Q: How is this server managed?

A: The server can be managed three ways: Cisco Intersight, Cisco UCS Manager, or with the Cisco Integrated Management Controller (IMC).

Q: What generation of PCIe are the I/O slots?

A: All three PCIe and modular LAN on Motherboard (mLOM) slots are PCIe Gen 5.

Cisco UCS C240 M8 Rack Server

Q: What is the C240 M8 Rack Server?

A: The C240 M8 is a 2RU, two-socket server.

Q: How many cores are supported?

A: Up to 86 cores are supported.

Q: How much memory is supported?

A: Up to 8 TB of DDR5 memory with speeds up to 6400 MT/s is supported.

Q: How many drives are supported?

A: There three different chassis configurations:

- Up to 28 SFF SAS/SATA or NVMe drives or
- Up to 36 E3.S NVMe drives or
- Up to 16 LFF + four SFF SAS/SATA or NVMe drives

Q: What network adapters are supported?

A: All current Cisco UCS 15000 Series Virtual Interface Cards (VICs) and a variety of third-party adapters are supported.

Q: How is this server managed?

A: The server can be managed three ways: Cisco Intersight, Cisco UCS Manager, or with the Cisco Integrated Management Controller (IMC).

Q: What generation of PCIe are the I/O slots?

A: All eight PCIe and mLOM slots are PCIe Gen 5.