

# Cisco UCS X210c M8 Compute Node





## Benefits

- Simplify administration of your hybrid-cloud infrastructure with Cisco Intersight®, freeing your IT staff to focus on mission-critical and value-added projects
- Standardize on a single platform for both your rack and blade workloads
- Decrease Operating Expenses (OpEx) for power, cooling, management, and maintenance by consolidating older servers onto the newest generation of modular servers
- Improve application performance with 5th Gen PCIe

## What it does

The Cisco UCS® X210c M8 Compute Node two-socket server brings Intel® Xeon® 6 processors to the Cisco® UCS X-Series Modular System powered by Cisco Intersight. It offers more performance, faster I/O, and more storage than the previous M6 and M7 generation servers.

Based on Intel Xeon 6 CPUs, it can help improve security, performance, and efficiency of applications while helping achieve sustainability goals with built-in accelerators such as Intel Trust Domain Extensions (TDX), Intel Data Streaming Accelerator (DSA), Intel QuickAssist Technology (QAT), Intel Advanced Matrix Extensions (AMX), and In-Memory Analytics Accelerator (IAA).

New to the UCS X210c M8 Compute Node is UCS X10c Pass Through Controller for E3.S drives, supporting up to nine PCIe Gen5 NVMe drives. With all the benefits of a modular system and the increased storage capacity, the X210c M8 is an ideal server for data-intensive applications including Hyperconverged Infra-structure (HCI), AI, databases, and backup and disaster recovery (e.g. Rubrik and Cohesity).

If you run workloads that require graphical acceleration such as Virtual Desktop Infrastructure (VDI) or Computer-Aided Design/Computer-Aided Manufacturing (CAD/CAM), there is a front mezzanine that supports up to two NVMe drives and up to two GPUs. Supporting both graphical acceleration and more GPU-intensive applications like AI, you can use Cisco UCS X-Fabric Technology to add up to four additional GPUs.

Cisco Customer Experience (CX) Custom Quick Start Solutions help you implement your Cisco UCS X-Series technology successfully, faster, and with less risk. CX experts assist with design development, validation of your deployment prerequisites, and configuration of your workloads. We also work with you to establish a system health baseline. Then, our experts train your team to use the new solution. With expertise, best practices, and insights developed from more than 35 years of leading large-scale technology implementations, you can trust us to help you get your Cisco UCS solution up and running the right way, the first time.

## What the UCS X210c M8 offers

- Up to two Intel Xeon 6700P or 6500P processors, up to 86 cores per socket
- Memory
  - 32 DIMM slots for up to 8 TB of capacity using 256 GB DIMMs
  - Up to 6400 MT/s DDR5 memory plus other speeds depending on the CPU installed
  - Support for Multiplexed Rank DIMMs (MRDIMMs) at up to 8000 MT/s
- Virtual Interface Cards
  - Cisco UCS Virtual Interface Card (VIC) 15000 Series with secure boot modular LAN on Motherboard (mLOM)
  - Optional Cisco UCS VIC 15000 Series with secure boot mezzanine
- Storage
  - Up to six SAS/SATA or NVMe disk drives or
  - Up to nine E3.S NVMe disk drives
  - M.2 boot options:
    - Up to two 960 GB SATA with optional hardware RAID
    - Up to two 960 GB NVMe
- One front mezzanine slot for a Cisco FlexStorage RAID controller, Cisco FlexStorage passthrough, or two NVMe drives and up to two GPUs
- Optionally connect one UCS X440p PCIe node with Cisco X-Fabric Technology supporting up to four GPUs
- Cisco Intersight Infrastructure Service SaaS-based cloud management



## Learn more

For more information about modernizing your infrastructure with the Cisco UCS X210c M8 Compute Node, refer to the data sheet or spec sheet. For more information about Cisco UCS X-Series, go to <https://cisco.com/go/ucsx> and for all Cisco UCS Servers, please visit <https://www.cisco.com/go/ucs>.