

# Cisco UCS X215c M8 Compute Node



## Benefits

- 5th Gen AMD EPYC CPUs, which provide the highest core processors in the Cisco UCS® X-Series compute node portfolio.
- Seamless mixing and matching of the Cisco UCS X215c M8 Compute Node with all other compute and GPU nodes.
- Advanced security features to help protect your applications.
- Consolidating older Cisco UCS M4 and M5 servers onto Cisco UCS X215c M8 Compute Nodes to help reduce your power consumption and operating costs.

## What it does

The multiple award-winning Cisco UCS X-Series Modular Platform, powered by Cisco Intersight®, was purpose-built through foundational innovations for transforming on-premises compute deployments for hybrid-cloud operating models.

The Cisco UCS X215c M8 Compute Node brings the high performing AMD EPYC processor family to the Cisco UCS X-Series Modular System. 5th and 4th Gen AMD EPYC CPUs, with up to 160 cores per socket, are an ideal choice for VSI/VDI and other workloads that benefit from a multicore architecture. AMD 3D V-Cache technology provides up to 1152MB of cache per CPU, and AVX-512 instructions with 256-bit data paths can further enhance performance.

AMD EPYC CPUs offer many advanced security features, including AMD Infinity Guard technology, AMD Secure Memory Encryption (SME), AMD Secure Encrypted Virtualization (SEV), AMD Secure Encrypted State (SEV-ES), and AMD Secure Nested Paging (SEV-SNP), which can improve your server and application resistance to threats.

Like other two-socket X-Series compute nodes, the UCS X215c M8 supports up to six drives. If you run workloads that require graphical acceleration, you can have two drives and up to two GPUs on the server. With Cisco UCS X-Fabric Technology, up to four additional GPUs can be added.

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 it offers

- Up to two:
  - 5th Gen AMD EPYC Processors (with up to 160 cores per socket) or
  - 4th Gen AMD EPYC Processors (with up to 128 cores per socket)
- Memory:
  - 24 DIMM slots (12 DIMMs per CPU socket)
  - Up to 6000 MT/s DDR5 memory plus other speeds depending on the CPU installed
  - Up to 6 TB of capacity using 256 GB DIMMs
- Virtual Interface Cards:
  - Cisco UCS VIC 15230 secure boot mLOM, two-port, 2x100Gbps
  - Cisco UCS VIC 15420 secure boot mLOM, four-port, 4x25Gbps
  - Cisco UCS VIC 15422 secure boot mezzanine, four-port, 4x25Gbps
- Up to six SAS/SATA or 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 drives and up to two GPUs
- Optionally connect one [Cisco UCS X440p PCIe Node](#) with [Cisco X-Fabric Technology](#) supporting up to four GPUs
- [Cisco Intersight](#) SaaS-based cloud management
- Support for Cisco UCS Manager



## Learn more

For more information about modernizing your infrastructure with the Cisco UCS X215c 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>.