

Cisco UCS X9508 Chassis



Benefits

Computing for the next decade

- Simplify with cloud-operated infrastructure
- Simplify with an adaptable system designed for modern applications
- Simplify with a system engineered for the future

Overview

The Cisco UCS® X-Series Modular System begins with the Cisco UCS X9508 Chassis engineered to be adaptable and future ready. It is a standard, open system, designed to deploy and automate faster in concert with your hybrid-cloud environment.

With a midplane-free design, the X9508 chassis achieves I/O connectivity using frontloading, vertically oriented compute and accelerator nodes that intersect with horizontally oriented I/O connectivity modules in the rear of the chassis. A unified Ethernet fabric is supplied with UCS® 9108 Intelligent Fabric Modules.

UCS X9416 X-Fabric Module and UCS 9516 X-Fabric Module are part of the UCS X-Fabric Technology family supplying PCIe industry-standard protocols for GPU accelerators.

Eight flexible front-facing slots can house a combination of compute nodes and resource nodes such as GPUs. There are five compute nodes: Cisco UCS X215c M8 based on 4th and 5th Gen AMD EPYC CPUs, Cisco UCS X210c M8 based on Intel Xeon 6 CPUs, Cisco UCS X210c M7 based on 4th and 5th Gen Intel® Xeon® Scalable Processors, Cisco UCS X410c M7 compute nodes based on 4th Gen Intel® Xeon® Scalable Processors, and the Cisco UCS X210c M6 Compute Node based on 3rd Gen Intel Xeon

Scalable processors. Two resource nodes – the Cisco UCS X440p PCIe Node and the Cisco UCS X580p PCIe Node – can accommodate up to four GPUs and is always paired with a compute node.

The Cisco UCS X-Series Modular System was designed to be managed with Cisco Intersight™. Intersight is a cloud-operations, Software-as-a-Service (SaaS) platform that uses analytics to deliver proactive monitoring, automation, and optimization of workloads across hybrid-cloud environments. Cisco Intersight Managed Mode (IMM) delivers policy-based configurations and accelerates the deployment of both physical and virtual workloads.

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 does

What the Cisco UCS X9508 Chassis provides:

- 7-Rack-Unit (7RU) chassis
- 8x front-facing flexible slots, which can contain a mix-and-match combination of:
 - Up to eight Cisco UCS X210c or X215c Compute Nodes
 - Up to four Cisco UCS X410c Compute Nodes
 - Up to four Cisco UCS X440p PCIe Nodes with UCS X-Fabric Technology with a PCIe Gen 4 fabric
 - Up to two Cisco UCS X580p PCIe Nodes with UCS X-Fabric Technology with a PCIe Gen 5 fabric
- 2x Cisco UCS 9108 Intelligent Fabric Modules (IFMs)
 - Combines Ethernet, Fibre Channel, and management traffic
 - Both 25Gbps and 100Gbps versions are available
- Optional Cisco UCS X9416 X-Fabric Modules for use with the Cisco UCS X440p PCIe Nodes
- Optional Cisco UCS X9516 X-Fabric Modules for use with the Cisco UCS X580p PCIe Nodes
- 6x 2800W PSUs
- 54V power distribution
- 4x 100mm dual rotor fans



Learn more

For more information about the Cisco UCS X9508 Chassis, refer to the [data sheet](#), [spec sheet](#), and the [solution overview](#).

For more information about the Cisco UCS X-Series, go to <https://cisco.com/go/ucsx>.