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CISCO

The bridge to possible

Cisco UCS X-Series Modular System

Overview

Tomorrow thinks differently, wanting hardware that thinks like software. The Cisco UCS® X-Series with Cisco Intersight™ is a modular system managed from the cloud. It is designed to be shaped to meet the needs of modern applications and improve operational efficiency, agility, and scale through an adaptable, future-ready, modular design.

The system comprises modular components that can be assembled into systems through the Cisco Intersight cloud-operations platform. Intersight brings the power of SaaS to deliver proactive monitoring, automation, and optimization of workloads across hybrid cloud environments.

The Cisco UCS X-Series provides functionalities of both blade and rack servers by offering compute density, storage capacity, and expandability in a single system, embracing a greater range of workloads in your data center.

The Cisco UCS X-Series Modular System begins with the Cisco UCS X9508 Chassis engineered to be adaptable and future-ready. The chassis has a unified Ethernet fabric with UCS Intelligent Fabric Modules and the ability to add future fabrics (for example, CXL, PCIe Gen 5, etc.) with Cisco UCS X-Fabric Technology. With the chassis' midplane-free design, either fabric can be independently upgraded.

The Cisco UCS X210c M6 Compute Node, with 3rd Gen Intel® Xeon® Scalable processors, provides the functionalities of both blade and rack servers by offering compute density, storage capacity, and expandability in a single form factor.

Additional nodes supporting accelerators (GPUs/FPGA), storage, and non-volatile memory are planned. They will be combined with compute nodes over the X-Fabric Technology.

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

For more information

For more information about Cisco UCS X-Series, refer to the Cisco UCS X-Series Solution Overview or go to https://cisco.com/go/ucsx.

Since we first delivered the Cisco Unified Computing System™ (Cisco UCS) in 2009, our goal has been to simplify your data center. We pulled management out of servers and into the network. We simplified multiple networks into a single unified fabric. And we eliminated network layers in favor of a flat topology wrapped up into a single unified system. With the Cisco UCS X-Series Modular System, we take that simplicity to the next level with a standard, open system designed to deploy and automate faster and in concert with your hybrid cloud environment.

What it does

What the Cisco UCS X-Series Modular System provides:

Cisco UCS X9508 Chassis

- Seven Rack Unit (7RU) form factor
- Eight front-facing flexible slots for compute nodes and future upgrades
- Two UCS 9108 Intelligent Fabric Modules (IFMs) for unified Ethernet fabric
- UCS X-Fabric Technology for future fabric upgrades

Cisco UCS X210c M6 Compute Node

- Up to two 3rd Gen Intel Xeon Scalable processors
- Up to 12 TB of memory
- Up to two Cisco UCS Virtual Interface Cards (VICs)
- Up to six SAS/SATA/NVMe disk drives plus up to two M.2 drives