

Cisco UCS X-Series Direct

Overview

Some people think Cisco UCS® is only for larger commercial or enterprise business. Like its predecessor UCS Mini, UCS X-Series Direct brings all the benefits of an award-winning modular system to customers needing smaller server environments.

Cisco® UCS X-Series Direct transforms the [Cisco UCS X-Series Modular System](#) into a self-contained system with pair of integrated fabric interconnects and up to eight server nodes. For customers with multiple locations, Cisco Intersight® is the preferred management platform, as it can seamlessly manage every chassis. Alternatively, Cisco UCS Manager may be used for systems management.

With the capability to incorporate future technologies, you can easily update all the components while preserving your investment in the [Cisco UCS X9508 Chassis](#) and optional [Cisco UCS X-Fabric Technology](#). This is a more sustainable solution and reduces your TCO.



Benefits

- Ideal for deployments at edge or remote branch.
- No need for top-of-rack Fabric Interconnects which reduces the overall system costs.
- Up to 100G networking for the most demanding applications.

Learn more

For additional information on Cisco UCS X-Series Direct, refer to the [solution overview](#) or [data sheet](#).

For information on UCS X-Series, visit [cisco.com/go/ucsx](https://www.cisco.com/go/ucsx).

Cisco UCS X-Series Direct can be used if you don't want top of rack Fabric Interconnects and to support all your edge, retail, and small/remote-office use cases today. You can configure servers, GPU accelerators, networking, and storage to propel use cases including:

- AI/ML inferencing, with up to six compact GPUs per server, or up to two full-length, full height GPUs.
- Data protection onto NVMe storage to guard mission-critical data and enable rapid restores in the event of a failure or ransomware event.
- Hyperconverged infrastructure with Nutanix that requires large amounts of local storage.
- Virtual Desktop Infrastructure (VDI) that you can deploy close to users, and ensure a smooth user experience with optional GPU rendering.
- Cloud-native, containerized environments with support from the Red Hat OpenShift Container Platform.
- Virtualized environments such as those supported by VMware vSphere 8.0.
- Converged infrastructure solutions that integrate enterprise shared storage from our leading storage partners.

What it does

Cisco UCS X-Series Direct is made up of the following items:

- Cisco UCS X9508 Chassis.
- Two Cisco UCS Fabric Interconnect 9108 100G.
- One or more of the following servers:
 - Up to eight two-socket Cisco UCS X215c M8 Compute Nodes.
 - Up to eight two-socket Cisco UCS X210c M6/M7 Compute Nodes.
 - Up to four four-socket Cisco UCS X410c M7 Compute Nodes.
- Systems management:
 - Cisco Intersight Infrastructure Service (preferred).
 - Cisco UCS Manager.
- Optional components:
 - Cisco UCS 9416 X-Fabric Modules.
 - Cisco UCS X440p PCIe Node with up to four GPUs used in conjunction with the 9416 X-Fabric Modules.