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Cisco UCS C220 M8 Rack Server

Benefits

- New E3.S disk drives for higher storage capacities

- AI acceleration features in the Intel® Xeon® 6 CPUs improves performance

- PCIe Gen5 for the fastest I/O

- Hot swappable M.2 drives for improved serviceability

- New Virtual Machine (VM) security features

Product overview

The 1RU, 2-socket Cisco® UCS C220 M8 Rack Server is designed to meet the needs of customers that choose to deploy high density rack-mount servers. It combines the latest Intel processors and is a versatile general-purpose application and infrastructure server delivering leading performance and efficiency for a wide range of workloads, including virtualization, collaboration, and bare-metal applications.

The Cisco UCS C220 M8 Rack Server extends the capabilities of the Cisco Unified Computing System (Cisco UCS®) rack server portfolio incorporating Intel Xeon 6 CPUs. Improve security, performance, and efficiency while helping achieve sustainability goals with built-in accelerators the 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).

You can deploy the Cisco UCS C-Series Rack Servers as standalone servers or with Cisco Intersight® to simplify administration and management of your server infrastructure, freeing your IT staff to focus on mission-critical and value-added projects.

Decrease server Operating Expenses (OpEx) for power and cooling, management, and maintenance by consolidating older servers onto the latest generation of Cisco UCS C220 M8 Rack Servers.

The Cisco UCS C220 M8 Rack Server is a dense, fault-tolerant server that provides value, performance, and flexibility for both commercial and enterprise customers.
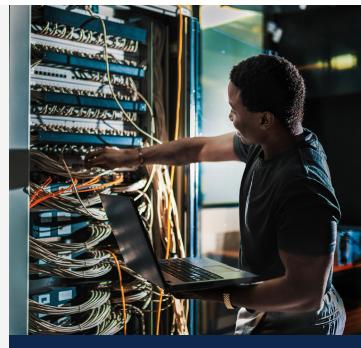
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What it offers

- Up to two Intel Xeon 6700P or 6500P processors, up to 64 cores per socket

- Memory:

  - 32x DIMMs for up to 4 TB of capacity using 128 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

- Up to 3 PCIe 5.0 slots plus a hybrid modular LAN-on-Motherboard (mLOM)/OCP slot

- Support for Cisco UCS Virtual Interface Card (VIC) 15000 Series with secure boot, enabling centralized management using Cisco Intersight and UCS adapters Manager

- Support for third-party network and storage adapters

- Storage

  - Up to 10 SFF SAS/SATA or NVMe disk drives or

  - Up to 16 E3.S NVMe disk drives

  - RAID controller options available

- M.2 boot options

  - Up to two 960 GB SATA with optional hardware RAID

- Up to three GPUs supported per server

- Flexible hardware management options

  - Cisco Intersight Infrastructure Service SaaS-based cloud management

  - Cisco Integrated Management Controller (CIMC)

Learn more

For more information about modernizing your infrastructure with the Cisco UCS C220 M8 Rack Server, refer to the data sheet or spec sheet. For more information about all Cisco UCS servers, please visit. **https://www.cisco.com/go/ucs**.