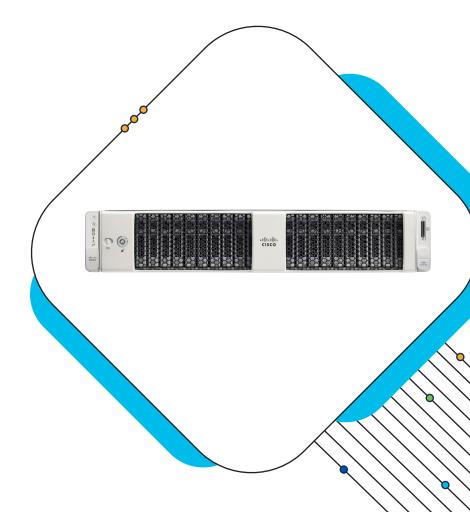# Cisco UCS C240 M7 Rack Server

Versatility and performance for data-intensive applications

The Cisco UCS C240 M7 Rack Server is well-suited for a wide range of storage and I/O-intensive applications such as big-data analytics, databases, collaboration, virtualization, consolidation, and high-performance computing in its two-socket, 2RU form factor.

The Cisco UCS C240 M7 Rack Server extends the capabilities of the Cisco UCS rack server portfolio. It incorporates 5th Gen Intel Xeon Scalable Processors with 62 percent more cores per socket than the previous generation. Many applications will see significant performance and efficiency improvements with accelerators such as Intel Data Streaming Accelerator, Intel QuickAssist Technology, Intel Advanced Matrix Extensions (AMX) and In-Memory Analytics Accelerator (IAA) built into the CPUs.

You can deploy the Cisco UCS C-Series Rack Servers as standalone servers or with Cisco Intersight to take advantage of Cisco standards-based unified computing innovations that can help reduce your Total Cost of Ownership (TCO) and increase your business agility.

Benefits

- Improve performance, efficiency, and help achieve sustainability goals with more CPU cores and built-in accelerators in the 5th Gen Intel Xeon Scalable Processors.

- Decrease server Operating Expenses (OpEx) for power and cooling, management, and maintenance by consolidating older servers onto the latest generation of Cisco UCS C240 M7 Rack Servers.

- Simplify administration and management of your server infrastructure with Cisco Intersight, freeing your IT staff to focus on mission-critical and value-added projects.

- Get up to 28 drives for maximum storage capacity.

What it offers

- Up to two 5th or 4th Gen Intel Xeon Scalable processors, up to 64 cores per socket

- Memory:
  - 32x DDR5 DIMMs for up to 8 TB of capacity using 256 GB DIMMs
  - Up to 5600 MT/s DDR5 memory, plus other speeds, depending on the CPU installed

- Up to 4 PCIe 5.0 slots or up to 8 PCIe 4.0 slots plus a hybrid modular LAN-on-Motherboard (mLOM)/ OCP slot

- Support for Cisco UCS VIC 15000 Series with secure boot, enabling centralized management using Cisco Intersight and UCS Manager

- Support for third-party network and storage adapters

- Up to 28 SAS/SATA or NVMe disk drives
  - RAID controller options available

- M.2 boot options
  - Up to two 960 GB SATA with optional hardware RAID
  - Up to two 960 GB NVMe

- Up to eight GPUs supported per server

- Flexible hardware management options
  - Cisco Intersight Infrastructure Service SaaS-based cloud management
  - Cisco UCS Manager
  - Cisco Integrated Management Controller (CIMC)

Learn more

For more information about modernizing or consolidating your current infrastructure using the Cisco UCS C240 M7 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.