AMD

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CISCO
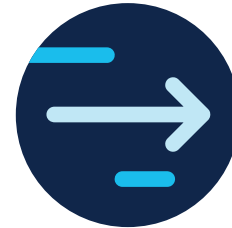The bridge to possible

Thinking EPYC? Then Choose Cisco UCS

Elevate workloads to new heights with Cisco UCS® servers and AMD EPYC™ processors

CISCO INTERSIGHT

Simplify with cloud-operated infrstructure

Supercharge your applications

Streamline your infrastructure

Applications are the heartbeat of businesses and they form the face of your organization.

They live across a complex, distributed, multidomain world that encompasses enterprise data centers; campus, branch, and edge locations; and private and public clouds. You need leading-edge technology to support your virtualized and hybrid-cloud applications, virtual desktop infrastructure, and database management systems—including excellent performance, high compute density, more cores per server, sophisticated security features, better economics, and unified management.

Cisco UCS servers with AMD EPYC processors

Fortunately, you can have it all with Cisco UCS servers powered by AMD EPYC processors. The result of a multiyear collaboration with AMD, Cisco UCS C225 M6 and Cisco UCS C245 M6 rack servers deliver on the needs of modern workloads, and they feature native integration with the Cisco Intersight™ cloud-operations platform, enabling simplified management at global scale.

Benefits

· **Simplify** with all of your infrastructure supported from a single software-as-a-service management interface.

· **Supercharge** your most compute-intensive workloads with AMD EPYC processors.

· **Streamline** your infrastructure by uniting computing, networking,and storage access into a single unified system.

A unified family

We offer a wide range of servers to meet specialized needs, including rack, blade, multinode, storage, and AI/ML servers. The AMD EPYC processor-powered servers described below join the family and become part of a single unified system:

Cisco UCS C225 M6 Rack Server is a single-socket-optimized server that delivers its full complement of disk and I/O capacity regardless of whether one or two AMD EPYC processors are configured, helping to save on capital and operational costs.

Cisco UCS C245 M6 Rack Server is a 2-socket, 2RU server with vast storage and I/O expansion capability.

Cisco UCS C4200 M5 Rack Server Chassis holds four 2-socket nodes in only 2 rack units to meet high-density computing needs.

Why Cisco UCS with AMD EPYC processors

If you are attracted to the features and performance of AMD EPYC processors, then choose Cisco UCS as the platform to propel your workloads:

- **Simplify with cloud-operated infrastructure:** Deliver intelligent visualization, optimization, and orchestration to all of your applications and infrastructure with cloud-based Cisco Intersight management of your Cisco UCS servers with AMD EPYC processors. Respond at the speed and scale of your business through automated configuration and deployment.
- **Supercharge your applications:** Your most compute-intensive workloads come to life with Cisco UCS servers with AMD EPYC processors. Record-setting processors drive ultimate performance for everything from enterprise applications to hybrid-cloud infrastructure. These systems pack in up to 128 cores per server. Higher core density and massive I/O capability enables you to better support virtualized and cloud environments with lower capital and operating costs.
- **Streamline your infrastructure:** Streamline your infrastructure by incorporating all of it—computing, networking, and storage access—as part of a single unified system powered by AMD EPYC processors and managed by Cisco Intersight. All of your Cisco® servers, regardless of form factor or processor type, integrate into a single point of management. Processor features such as AMD Secure Memory Encryption

(SME) and AMD Secure Encrypted Virtualization (SEV) can be set through policies that you define in Intersight and deploy consistently and accurately on a global scale.

EPYC advantages

When you choose Cisco UCS servers powered by AMD EPYC processors, you gain the benefits these processors contribute, including:

- **Compute density** with up to 64 cores per processor, propelling performance while helping to reduce space, power, and cooling costs
- **High performance** that derives from both AMD EPYC processors and the unique architecture of Cisco Unified Computing System™
- **Security features** that help secure virtualized environments with virtual machines encrypted in main memory that only the CPU knows
- **High-frequency options** when it is important to optimize per-core performance against the cost of per-core software licenses
- **Large cache sizes** for computer-aided engineering environments—AMD 3D V-Cache™ technology available on some CPU models propels workloads with 768 MB of Level 3 cache per CPU.

Better together

When you choose Cisco UCS servers powered by AMD EPYC processors, you unleash the value of EPYC processors with the benefits of a single unified system managed from the cloud.