

Choose the Right Rack Server for Your Workloads

Changing IT landscapes

Deploying an agile IT infrastructure is turning out to be more complicated than many companies expected. The high initial costs, overprovisioning, and ineffective scaling of traditional solutions often inhibit IT operations and keep small- and mid-size businesses from benefiting from efficiency. Keeping pace requires matching resources to workload requirements, whether it is one server in a local office or hundreds in a data center supporting remote and branch-office locations. With Cisco UCS® rack servers, your IT staff can help ensure optimal performance, decrease server operating expenses (OpEx), and achieve your sustainability goals and business initiatives.

A complete system

When you purchase a single Cisco UCS rack server, you get a complete system. Your initial outlay is small relative to a modular or blade system with only a single compute node installed. Because we use a unified approach with the Cisco UCS platform, you can simplify with one powerful package and grow your infrastructure in increments that match your business priorities. Our portfolio of powerful Cisco UCS C-Series and S-Series servers is designed to help you tackle your workload challenges and manage them all with the Cisco Intersight® cloud-operations platform for simpler, smarter, and more agile computing.

Workload requirements often dictate using rack servers. That's why companies are turning to Cisco UCS® C-Series Rack Servers. With flexible configurations and options, our systems are ideal for a variety of workloads and environments, wherever they run.

Flexible, efficient deployment

Where your application runs often dictates what it should run on. Cisco UCS rack servers are ideal for small offices and remote and branch locations, which often need only a few servers. These powerful servers provide up to 64 cores per socket, up to 8 TB of memory, and terabytes of storage capacity, giving you choice and flexibility for your diverse workloads.

There's no need for extra hardware. Cisco experts can help you evaluate your requirements today and discuss scaling for the future. These planning assessments help reduce the amount of hardware, software licenses, and support you purchase up front.

Learn more

Discover the [Cisco UCS C-Series Rack Server portfolio](#) and see how these innovative servers can help you power your business-critical workloads.

Our rack servers are ideal for a variety of workloads and environments.

Modernize your infrastructure

Whether you need to replace legacy systems with faster servers to accelerate workloads, virtualize and consolidate onto fewer, more powerful systems to reduce costs, or move to a cloud operating model to simplify operations, our rack servers get the job done. With a choice of configurations, your IT staff can match your workloads to the right server and deliver scalable performance. Plus, enhanced automation and orchestration help streamline operations for greater visibility and control.

Optimize infrastructure for data

Databases such as Microsoft SQL Server and Oracle Database often are too large for blade servers but too small for large-scale shared storage. Cisco UCS rack servers offer a balance of CPU, memory, I/O, and internal storage resources to support database deployments. For larger deployments, scale-out storage that

combines Cisco UCS rack servers with software from industry leaders such as Cohesity, Scality, and Veeam provides an efficient solution. When you need a backup server with practically unlimited capacity, Cisco UCS S-Series Storage Servers hold up to 60 disk drives and offer up to two internal compute nodes for hosting storage and backup software.

Start small and scale

Rack servers provide a smooth introduction to the Cisco Unified Computing System™. You can start with standalone systems and move to the Cisco UCS platform to take advantage of unified computing innovations and further increase business agility. Because all Cisco UCS servers and components are managed by the Cisco Intersight cloud-operations platform, you can deploy and administer all of your Cisco UCS infrastructure from a single interface, no matter where your deployments reside.

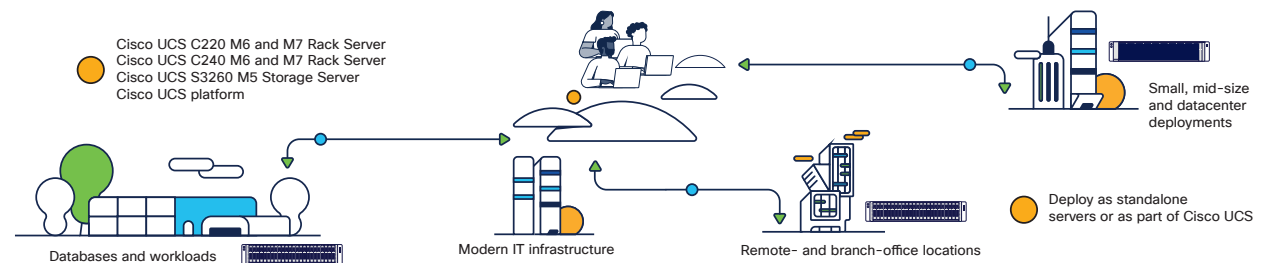


Figure 1. Cisco UCS C-Series Rack Servers and Cisco UCS S-Series Storage Servers are ideal for a wide range of workloads.