



GENERAL IT RUNS ON **AMD EPYC™ SERVER CPUs:** 5 REASONS WHY

Whether you're upgrading aging infrastructure or evaluating new options, choose AMD EPYC™ 9000 Series Server CPUs to achieve exceptional value across power efficiency, total cost of ownership, space savings, and performance.

Here's why AMD EPYC Server CPUs are the smarter choice for your next general-purpose IT server.

1

REDUCE TOTAL COSTS

Refreshing with solutions that use modern 16- to 64-core AMD EPYC Server CPUs can help you do more with less – and cut costs. Today's AMD EPYC Server CPUs deliver up to 60% lower total cost of ownership than old servers running 2nd Gen Intel® Xeon® CPUs.¹

Save up to \$184K on software licensing over five years²

- AMD EPYC Server CPUs with fast cores help minimize licensing costs by enabling fewer servers to achieve the same results – all with headroom to grow.

2

USE LESS POWER

Upgrades can also lower power consumption, allowing you to use fewer watts and drive more savings. A single-socket server equipped with a modern AMD EPYC Server CPU uses up to 53% less power than a dual-socket server with two 2nd Gen Intel® Xeon® CPUs.²

3

RELY ON CPUs TRUSTED BY LEADERS

Leading business and technology innovators around the globe already rely on AMD EPYC Server CPUs. El Capitan, Frontier, LUMI – some of the world's fastest supercomputers³ and top US national labs run on AMD EPYC Server CPUs as do top cloud providers.

Most Fortune 100 Companies Trust Their Data Centers to AMD EPYC CPUs.⁴

4**MAKE MODERNIZING EASY**

When you upgrade, you can still use your existing x86-based software and applications. That's because AMD EPYC Server CPUs run on the industry-standard x86 instruction set. To ease the process, AMD offers helpful tools and resources like our [VMware Architecture Migration Tool \(VAMT\)](#).

380 VMs: Migration time <1 hour

- Dell used VAMT to migrate 380 VMs in less than an hour when replacing five older Intel-powered servers with one new AMD EPYC Server CPU-powered server.⁵

5**SELECT FROM WIDELY AVAILABLE OPTIONS**

Manufacturers and resellers you already know and trust offer general-purpose IT servers with AMD EPYC 9000 Series Server CPUs ready to ship. In fact, AMD reached record server revenue share of 41.3%⁶ with more than 400 systems and 1,350 public cloud instances running on AMD EPYC Server CPUs.

Leading software is qualified for AMD hardware

- That includes solutions from Microsoft, Nutanix, VMware, Oracle, and Red Hat. Not all software vendors publish qualification details, so confirm compatibility before any server upgrade.

CHOOSE AMD EPYC™ 9000 SERIES SERVER CPUs

General IT runs on AMD EPYC Server CPUs.

For maximum value, these CPUs are the smarter choice.

Learn more about AMD EPYC Server CPUs at [AMD.com/EPYC](https://www.amd.com/EPYC)



1. Savings claim made for specific product comparison and workload that follows. Other comparisons and workload savings will vary.

9xx5TCO-023: This scenario contains many assumptions and estimates and, while based on AMD internal research and best approximations, should be considered an example for information purposes only, and not used as a basis for decision making over actual testing. The AMD Server & Greenhouse Gas Emissions TCO (total cost of ownership) Estimator Tool - version 1.55, compares the selected AMD EPYC™ and Intel® Xeon® CPU based server solutions required to deliver a TOTAL_PERFORMANCE of ~11,480 units of SPECrate®2017_int_base performance as of December 3, 2025. This analysis compares a 2P AMD 24 core EPYC_9255 powered server with a SPECrate2017_int_base score of 733, <https://spec.org/cpu2017/results/res2025q3/cpu2017-20250908-49474.pdf>; compared to a 2P Intel Xeon 24 core Xeon_6527P based server with a SPECrate2017_int_base score of 606, <https://spec.org/cpu2017/results/res2025q2/cpu2017-20250421-47759.pdf>; versus legacy 2P Intel Xeon 24 core Gold_6252 based server with a SPECrate2017_int_base score of 287, <https://spec.org/cpu2017/results/res2019q4/cpu2017-20190916-18249.pdf>

Environmental impact estimates made leveraging data from the 2025 International Country Specific Electricity Factors and can be found at <https://www.carbondi.com/#electricity-factors/> and the US EPA Greenhouse Gas Equivalencies Calculator used in this analysis was sourced on 09/04/2024 and can be found at <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>.

For additional details, see <https://www.amd.com/en/legal/claims/epyc.html#q=9xx5TCO-023>.

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Environmental impact estimates made leveraging data from the 2025 International Country Specific Electricity Factors and can be found at <https://www.carbondi.com/#electricity-factors/> and the US EPA Greenhouse Gas Equivalencies Calculator used in this analysis was sourced on 09/04/2024 and can be found at <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>.

For additional details, see <https://www.amd.com/en/legal/claims/epyc.html#q=9xx5TCO-022>.

3. EPYC-045E - Top500 list as of November, 2025. Top 2 systems (El Capitan, Frontier), repeating from June 2025 List

- Total AMD systems = 177 (from 172 total systems)
- More than a third (35%) of the world's most powerful systems
- AMD system in top 10 = 4
- AMD system in top 20 = 5

<https://top500.org/lists/top500/list/2025/11>

EPYC-046E - GREEN500 list as of November 2025. (<https://top500.org/lists/green500/list/2025/11/>)

4. EPYC-058 - Top 100 U.S. companies by revenue according to 2025 Fortune 500 list as of June 2, 2025. <https://fortune.com/ranking/fortune500/>, 'Fortune 100' refers to the top 20% ranked companies in the 2025 Fortune 500 list, published in June 2025. From Fortune Magazine. ©2025 Fortune Media IP Limited. All rights reserved. Used under license. Fortune and Fortune Media IP Limited are not affiliated with, and do not endorse products or services of Advanced Micro Devices, Inc.

5. Based on Dell testing using the VMware VAMT tool to migrate 380 VMs from 5x 2U servers with Intel Xeon 8180 processors (TDP: 205 W) to one Dell PowerEdge R7625 server with the AMD EPYC 4th Gen 9654 (TDP: 360 W) processors on 11/5/2022. Actual results will vary depending on actual product configuration, usage, operating conditions, power management settings, and other factors. For details, please see <https://infohub.delltechnologies.com/en-us/p/save-time-rack-space-and-money-5-1-server-consolidation-made-possible-with-the-latest-amd-epyc-processors/>.

6. EPYC-055C: Mercury Research Sell-In Revenue Shipment Estimates, Q4 2025. Revenue share of 41.3%, unit share of 28.8%.

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