

5 REASONS AMD EPYC™ 7003 PROCESSORS DELIVER MAINSTREAM VALUE

AT A GLANCE

Since their introduction in 2021, AMD EPYC™ 7003 Series processors have delivered performance and efficiency for mainstream data center servers from Main Street to Wall Street. From small capacity to scalable server solutions hosting the most business-critical workloads, there is an option to meet

your needs. In fact, AMD is extending availability of AMD EPYC 7003 processors through 2026 and introducing six new models at attractive prices to help you achieve outstanding price/performance as you plan your transition to newer technologies at your own pace and terms.

1

ENABLE HIGH PRODUCTIVITY

Take advantage of the established value and efficiency of AMD EPYC processors for business-critical applications in enterprise server infrastructures. Built on the powerful and efficient “Zen 3” core, AMD EPYC 7003 processors help you achieve your IT and business goals effectively, quickly and efficiently with exceptional workload performance.

2

DEPLOY PROVEN SOLUTIONS

AMD EPYC 7003 CPUs offer proven technologies that deliver performance, scalability, efficiency and security features and are widely deployed across leading public cloud, large enterprises, government and academia.

3

MODERNIZE YOUR INFRASTRUCTURE COST-EFFECTIVELY

The flexibility and attractive pricing of AMD EPYC 7003 processors make them the right choice for a broad range of workloads and offer a cost-effective solution for refreshing older infrastructure. AMD EPYC CPUs use the x86 ISA, making it straightforward to modernize your infrastructure without headaches.

4

CREATE ENERGY-EFFICIENT SOLUTIONS

Optimized solutions that deliver strong performance and energy efficiency, enabling you to cost-effectively address your sustainability and corporate responsibility goals.

5

CONFIDENTLY NAVIGATE BUSINESS RISKS, COMPLEXITIES AND REQUIREMENTS

Compute with confidence, knowing that your business is targeting and managing today’s newest challenges with the advanced security features of AMD Infinity Guard¹ and AMD commitments to compliance, supply chain resilience and a long-term processor roadmap.

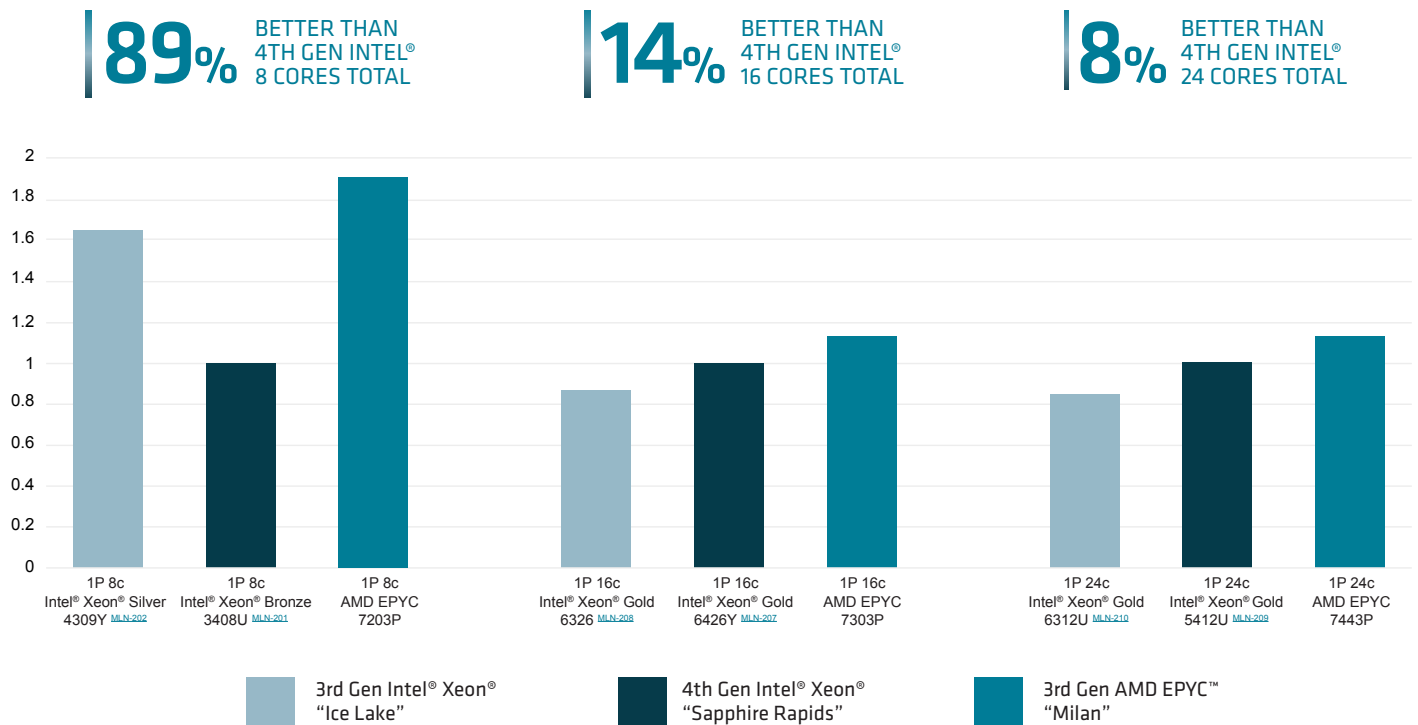
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#1 ENABLE HIGH PRODUCTIVITY

- Each AMD EPYC 7003 series processor features from 8 to 64 powerful “Zen 3” cores, support for up to 8 channels of fast, inexpensive DDR4 memory and up to 128 lanes² of high throughput PCIe® Gen 4 expansion.
- How does the value of AMD EPYC 7003 processors compare?

EXCEPTIONAL PERFORMANCE PER ESTIMATED SYSTEM PRICE VS INTEL®

Comparing SPECrate®2017_int_base performance on 1P servers with 3rd Gen AMD EPYC™ vs 3rd and 4th Gen Intel® Xeon® CPUs



#2 DEPLOY PROVEN SOLUTIONS

- Customers across industries and around the world experience success with AMD EPYC 7003 series processors.



“We found AMD EPYC CPUs were 42 percent faster than an alternative on average.”

LEARN MORE AT [AMD.COM/EN/CASE-STUDIES/EMIRATES-NBD](https://amd.com/en/case-studies/emirates-nbd)



“We recently extended our capabilities with a new dual-socket server using AMD EPYC™ 7773X CPUs. This powerful 128-core server delivers results between two and three times faster than our previous 48-core hardware.”

LEARN MORE AT [AMD.COM/EN/CASE-STUDIES/FINOT-CONQ](https://amd.com/en/case-studies/finot-conq)



“A single AMD EPYC ‘Milan’ processor can do the job of two processors, reducing our total costs by 20 – 30%.”

LEARN MORE AT [AMD.COM/EN/CASE-STUDIES/CAFEE24](https://amd.com/en/case-studies/cafef24)

#3 MODERNIZE YOUR INFRASTRUCTURE COST-EFFECTIVELY

- The performance and scalability of AMD EPYC 7003 platforms make them a cost-effective choice to replace older, inefficient systems: **Slash annual power costs up to an estimated ~43%** by choosing AMD with same number of servers (20 1P AMD EPYC 7543P powered servers vs. 20 2P Intel® Xeon® Gold 6346 powered servers) to support 640 total VMs using 1 core/VM and 8GB/VM with an estimated 42% lower hardware acquisition cost and estimated 3yr virtualization TCO savings of 46%. [MLN-TCO-023](#)

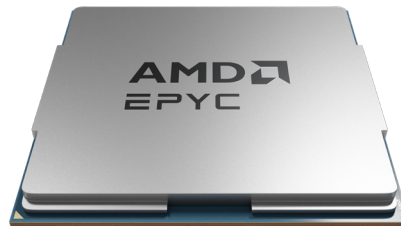
#4 CREATE ENERGY EFFICIENT SOLUTIONS

- Energy-efficient AMD EPYC 7003 powered servers deliver compelling performance per watt metrics on key customer workloads.
- High core count, high efficiency: gain 85% more performance per system watt running SPECpower_ssj® 2208 on 2P systems with 64-core AMD EPYC 7763 compared to 40-core Intel® Xeon® Platinum 8380. [MLN-0948](#)
- Comparing mainstream 2P 3rd Gen servers: 32 core AMD EPYC 7543 delivers **24% more performance per CPU watt** than 32 core Intel® Xeon® Platinum 8358. [MLN-0988](#) 24 core AMD EPYC 7443 delivers **32% more performance per CPU watt**, than 24 core Intel® Xeon® Gold 6342. [MLN-099D](#)

#5 CONFIDENTLY NAVIGATE BUSINESS RISKS, COMPLEXITIES AND REQUIREMENTS

- AMD Infinity Guard¹—a modern security feature-set—helps decrease potential attack surfaces as software boots, executes and processes your critical data.
- The dedicated AMD Secure Processor is integrated on die which enables Hardware Root of Trust and a foundation for platform security, with no x86 software changes required.
- Compliance and corporate responsibility are refreshingly straightforward. AMD partners with suppliers to advance human rights, drive environmental sustainability goals and support supply chain resilience.³

AMD EPYC 7003 PROCESSORS: MAINSTREAM VALUE FOR THE DATA CENTER



TOGETHER WE ADVANCE DATA CENTER COMPUTING

LEARN MORE AT [AMD.COM/EPYC](https://amd.com/epyc).

1 AMD Infinity Guard features vary by EPYC processor generations. Infinity Guard security features must be enabled by server OEMs and/or cloud service providers to operate. Check with your OEM or provider to confirm support of these features. Learn more about Infinity Guard at amd.com/en/technologies/infinity-guard. GD-183

2 Up to 160 lanes in a 2P configuration

3 See amd.com/en/corporate-responsibility/supply-chain-responsibility