



AMAZON EC2 INSTANCES

Amazon Elastic Compute Cloud (Amazon EC2) provides customers the most options for compute to tailor infrastructure to their business needs, and AMD is integral to these offerings. EC2 instances powered by AMD EPYC™ processors give customers the ability to run general purpose, memory intensive, burstable, compute intensive, and graphics intensive workloads.

AMD & AWS have collaborated to give customers more choice and value in cloud computing. Customers can use EC2 instances powered by AMD and enjoy scalable performance for a broad variety of workloads.

R7A INSTANCES - MEMORY OPTIMIZED

R7a instances deliver up to 50% higher performance and 2.25x more memory bandwidth compared to R6a instances. SAP-certified and ideal for high performance, memory-intensive workloads. SQL & NoSQL, In-Memory Databases, Real-Time Big Data Analytics, Electronic Design Automation, Distributed Web Scale In-Memory Caches.²

1 - 192

8 - 1536

vCPUs

Memory

up to **12.5 - 50** Bandwidth up to **10 - 40** EBS Bandwidth

M7A INSTANCES - GENERAL PURPOSE

General purpose instances that deliver up to 50% higher performance and 2.25x more memory bandwidth compared to M6a instances. SAP-certified and ideal for apps that benefit from high performance and high throughput. Financial Applications, Application Servers, Simulation Modeling, Gaming, Mid-Size Data Stores, App Development Sites, Caching Fleets.³



vCPUs

2 - 768 Memory up to **12.5 - 50** Bandwidth





C7A INSTANCES - COMPUTE OPTIMIZED

Amazon EC2 C7a instances deliver up to 50% higher performance compared to C6a instances. SAP-certified and ideal for compute-intensive workloads such as high-performance web servers, batch processing, ad serving, machine learning, multiplayer gaming, video encoding, HPC such as scientific modeling, and machine learning.



CLOUD EFFICIENCY LEADERSHIP

AMD EPYC[™] processors power the most energy efficient servers delivering exceptional performance and helping reduce energy costs.²



2P Integer Energy Efficiency | SPECrate®2017_int_energy_base

1 - https://aws.amazon.com/ec2/instance-types/c7a. 2 - https://aws.amazon.com/ec2/instance-types/r7a. 3 - https://aws.amazon.com/ec2/instance-types/m7a. 4 - https://aws.amazon.com/ec2/instance-types/m7a

EPYC-028C: SPECpower_ssj® 2008, SPECrate®2017_int_energy_base, and SPECrate®2017_fp_energy_base based on results published on SPEC's website as of 11/10/22. VMmark® server power-performance / server and storage power-performance (PPKW) based results published at https://www.mware.com/products/vmmark/results3x.1.html?sort=score. The first 80 ranked SPECpower_ssj®2008 publications with the highest overall efficiency overall ssj_ops/W results were all powered by AMD EPYC processors. For SPECrate®2017_Integer (Energy Base), AMD EPYC CPUs power the first 11 top SPECrate®2017_int_energy_base performance/system W scores. For SPECrate®2017_fp_energy_base performance/system W scores. For VMmark® server power-performance (PPKW), have the top four results for 2- and 4-socket matched pair results outperformation about SPEC® is available at http://www.spec.org. SPEC, SPECrate, and SPECpower are registered trademarks of the Standard Performance Evaluation Corporation. VMmark is a registered trademark of VMmark of the US or other countries.

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