



AMD EPYC™ PROCESSORS

THE WORLD'S FASTEST SERVER CPU^{i*}

Latest Gen Delivers **~19%**
IPC Than Previous Generationⁱⁱ

400 Cloud Instances &
100 New OEM Platforms
Powered by AMD EPYC Processors
Expected by The End Of 2021

EPYC processors hold **200+**
World Records for
Performance Leadershipⁱⁱⁱ

*EPYC 7763 integer base performance

WHY COMPANIES RELY UPON AMD EPYC PROCESSORS

“ We don't even need to run as many servers because of how fast the EPYC processors are. It's very rare to find something that's both more cost-effective and has better performance.

Lee Liu, Co-founder and CTO of LogDNA ”

“ It's financially irresponsible to not examine EPYC if you have a lot of servers. It blew my mind how much money we saved.

Wesley Ambrose, Senior Cloud Virtualization Engineer at QTS ”

AMD EPYC 7003 SERIES PROCESSORS AT A GLANCE:

Built on the 'Zen 3' core and AMD Infinity Architecture for exceptional performance and features

Using an e-commerce application, 3rd Gen EPYC processors deliver 50% more business transactions compared to the latest processors from the competition^{iv}

EPYC Processors provide access to advanced security features with AMD Infinity Guard^v

PCIe[®] 4.0 Provides Fast Bandwidth to Connect GPUs, Accelerators and more

DELIVERING THE RESULTS YOU NEED, WHEN YOU NEED THEM,
AMD EPYC™ powered servers can help you capitalize business impact quickly across your enterprise – no matter how, where, or when your applications run.

AMD EPYC MOMENTUM

AMD EPYC processors support an ecosystem of partners including OEMs and ODMs, cloud service providers, ISVs and IHVs

Check out the AMD EPYC demo hub to see EPYC 7003 series processors perform in popular applications

ⁱMLN-016A: Results as of 04/14/2021 using SPECrate[®]2017_int_base. The AMD EPYC 7763 scored 839, <http://www.spec.org/cpu2017/results/res2021q1/cpu2017-20210219-24936.html> which is higher than all other 2P scores published on the SPEC[®] website. SPEC[®], SPECrate[®] and SPEC CPU[®] are registered trademarks of the Standard Performance Evaluation Corporation. See www.spec.org for more information.

ⁱⁱMLN-003: Based on AMD internal testing as of 02/1/2021, average performance improvement at ISO-frequency on an AMD EPYC™ 72F3 (8C/8T, 3.7GHz) compared to an AMD EPYC™ 7F32 (8C/8T, 3.7GHz), per-core, single thread, using a select set of workloads including SPECrate[®]2017_int_base, SPECrate[®]2017_fp_base, and representative server workloads. SPEC[®] and SPECrate[®] are registered trademarks of Standard Performance Evaluation Corporation. Learn more at spec.org.

ⁱⁱⁱwww.amd.com/worldrecords

^{iv}MLN-092: SPECjbb[®] 2015-MultiJVM Critical comparison based on best performing systems published at www.spec.org as of 4/28/2021, 2x AMD EPYC™ 7763 scored 301,297 SPECjbb[®] 2015-MultiJVM Critical-jOPS (359,067 max-jOPS, <https://spec.org/jbb2015/results/res2021q1/jbb2015-20210224-00612.html>) which has 50% higher critical server-side Java[®] operations than the top "Ice Lake" 2x Intel[®] Xeon[®] Platinum 8380 that scored 201,334 critical-jOPS (258,368 max-jOPS, <https://spec.org/jbb2015/results/res2021q2/jbb2015-20210324-00635.html>). 2x AMD EPYC 7H12 scored 248,942 critical-jOPS (315,663 max-jOPS, <http://spec.org/jbb2015/results/res2020q2/jbb2015-20200423-00550.html>). SPEC[®] and SPECjbb[®] are registered trademarks of the Standard Performance Evaluation Corporation. See www.spec.org for more information.

^vGD-183 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 <https://www.amd.com/en/technologies/infinity-guard>. GD-183