

Penguin Solutions Announces Availability of Next-Gen Altus HPC Servers with AMD EPYC 9005 Series Processors

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New servers offer CPUs with leading 192 core count and memory processing for compute-intensive HPC and mixed-use AI workloads

FREMONT, Calif.--(BUSINESS WIRE)-- **Penguin Solutions**[™], Inc. (Nasdaq: **PENG**) today announced availability of its new Altus[®] servers powered by AMD EPYC[™] 9005 Series processors featuring 192 core count and 12 channels of DDR5 memory tailored to run HPC applications at the highest level of performance. Powered by these latest AMD EPYC processors, Penguin Solutions Altus servers offer best in-class price-to-performance value, and are an ideal match to architect HPC and AI infrastructure, including AI clusters that support mixed-use workloads.

Penguin Solutions next-gen Altus HPC servers with AMD EPYC 9005 processors which offer leading 192 core count and memory processing, make Altus servers ideal for compute-intensive HPC and mixed-use AI workloads. (Photo: Business Wire)

“AMD has delivered processor leadership in the EPYC 9005 Series that drives further HPC and AI performance in meeting

our customers’ advanced computing needs,” said Dara Ambrose, vice president of engineering at Penguin Solutions. “The 5th Generation EPYC processors continue to showcase AMD’s innovation in core count and memory architecture, enabling Penguin Solutions to deliver the powerful cluster architectures our customers require to push the envelope in their own simulation, modeling, and discovery designs.”

Penguin Solutions has air-cooled models Altus XE1312v2 and Altus XE2312v2 currently available, with liquid-cooled Altus XE2342v2 servers targeted for availability in 1H 2025. Penguin’s Altus servers are an option in Penguin’s **OriginAI[®] infrastructure solution**, which combines a full suite of hardware, software, and services that enable enterprises, researchers, and hyperscalers to quickly and reliably deploy and manage HPC and AI compute clusters

at scale.

Technical Specifications

- Altus XE1312v2 (4x PCIe Gen5 x16 slots, up to 6TB (24 DIMMs) DDR5-6400MT/s memory, and up to 400W TDP support)
- Altus XE2312v2 (2x PCIe Gen5 x16 slots, up to 6TB (24 DIMMs) DDR5-6400MT/s memory, and up to 500W TDP support)
- Altus XE2342v2 (8x PCIe Gen5 x16 slots, up to 24TB (96 DIMMs) DDR5-6400MT/s memory, and up to 500W TDP support)

For more detail about Penguin Solutions' AMD EPYC CPU-based Altus servers, visit Penguin Solutions at **SC24 Supercomputing booth #1523** at the Georgia World Congress Center in Atlanta on November 18-22 to learn more about Penguin's **Altus servers with AMD EPYC 9005 Series**.

Stay connected by following Penguin Solutions on **LinkedIn, X, YouTube**, and **Facebook**, and by tagging **#PenguinSC24**.

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About Penguin Solutions

The most exciting technological advancements are also the most challenging for companies to adopt. At Penguin Solutions, we support our customers in achieving their ambitions across our computing, memory, and LED lines of business. With our expert skills, experience, and partnerships, we turn our customers' most complex challenges into compelling opportunities.

For more information, visit <https://www.penguinsolutions.com>.

PR Contact

Maureen O'Leary

Penguin Solutions Corporate Communications

pr@penguinsolutions.com

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