



NEWS RELEASE

Penguin Computing™ Announces Altus Servers With AMD EPYC Processors

9/20/2017

A Major Step Forward in Expanding EPYC Processor-Based Products

FREMONT, CA – September 20, 2017 – Penguin Computing, provider of high performance computing, enterprise datacenter and cloud solutions, today announced the return of its Altus line of servers with AMD's new EPYC™ high performance processors. The versatile and power-efficient EPYC processor-based Altus systems are available in standard 19" and 21" Tundra™ Extreme Scale designs. "Penguin Computing has a long history of building systems featuring AMD processors going back to the first K7 and Opteron processors," said Philip Pokorny, Chief Technical Officer, Penguin Computing. "Our customers have been asking for upgrades to their existing Opteron systems and these new EPYC processors are a huge leap forward. The PCI-Express and memory capabilities of these new processors enable us to build exciting new system configurations and enhance our existing designs. The high core counts help AI researchers looking to run, generate and test millions of training scenarios. The large memory capability is welcomed by HPC and Internet customers with applications requiring it for key tasks and caches." The Penguin Computing Altus server platform provides new capabilities for datacenter solutions by offering a multitude of EPYC processor-based options, including 1U, 2U, single-processor, dual-processor, 2U quad-node, GPU and Tundra form factors. The feature-rich design of the AMD EPYC processor gives customers expanded options to scale by providing support for single and dual socket servers, scaling between 8- to 32-core, 8 memory channels capable of supporting up to 4TB of memory capacity, 128 lanes of PCIe Gen3 high-speed I/O, and embedded silicon-level data security. AMD EPYC processors can support workloads ranging from High Performance Computing to Machine Learning. Additionally, Tundra can take advantage of 128 lanes of PCIe to support up to four NVIDIA® Tesla® GPUs in a 1OU form factor running in either single or dual socket configuration. "AMD is excited to continue the long and productive relationship with Penguin Computing by introducing the EPYC 7000-series of server processors to the Altus lineup," said Scott Aylor, corporate vice president of enterprise solutions at AMD. "This broad portfolio of new systems is a testament to both the power and versatility of EPYC and the strength of Penguin Computing in the high-performance server market."

Visit <http://www.penguincomputing.com/computing/products/servers/altus/> for more information about Altus servers.

About Penguin Computing

Penguin Computing is the largest, private, North American supplier of hardware, software, and services for Linux-focused, enterprise data center, high performance computing, and cloud solutions with more than 2,500 customers in 40 countries across eight major vertical markets. Penguin Computing pioneers the design and engineering of open technologies, including its Tundra product family of ultra-efficient, authorized, Open Compute Project (OCP) solutions. Leveraging decades of experience, Penguin Computing delivers top-of-class services and support, and operates the leading, public HPC cloud service, Penguin Computing On-Demand.

Visit www.penguincomputing.com to learn more about the company and follow [@PenguinHPC](https://twitter.com/PenguinHPC) on Twitter.

Penguin Computing, Scyld ClusterWare, Scyld Insight, Scyld Cloud Workstation, Scyld Cloud Manager, Relion, Altus, Penguin Computing On-Demand, Tundra, Arctica and FrostByte are trademarks or registered trademarks of Penguin Computing, Inc.