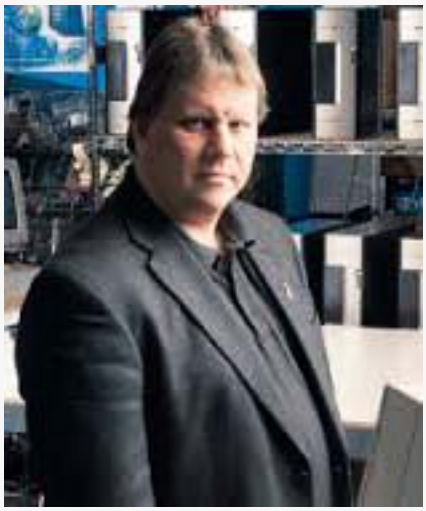
Ace Computers Announces HPC Clusters with Newest NVIDIA Tesla Accelerators

Ace Computers just announced HPC clusters integrated with the newest NVIDIA Tesla accelerators—key to the success of deep learning/AI and other applications.



Ace CEO John Samborski

CHICAGO, IL, U.S., September 26, 2017 /EINPresswire.com/ -- Ace Computers just announced HPC clusters integrated with the newest NVIDIA Tesla accelerators—key to the success of deep learning/AI applications in particular. These accelerators are built on the world's fastest and most efficient high performance Pascal architecture and designed with the following:

• Up to 1.87TFlops double precision floating point performance
• Faster PCIe communication
• Higher performance on technical applications with large datasets
• Faster communication with InfiniBand using NVIDIA GPUDirect
• Higher performance CUDA driver for Windows OS
• ECC protection for uncompromised data reliability
• Zero error tolerance stress testing
• Manufactured by NVIDIA and quality guaranteed
• ISV Certification

Pascal-based products deliver an enterprise-grade visual computing platform with up to two times the performance and data-handling capability of the previous generation.
With the ability to interact with more intricate models and higher-res images, incorporate resources in the cloud, and work remotely, Pascal enables leading-edge visual computing workflows. Pascal-based GPUs allow HPC professionals to:

• Unify simulation, HPC, rendering and design. Unprecedented double precision performance with 16GB of high-bandwidth memory (HBM2) so users can conduct simulations during the design process and rapidly gather realistic multiphysics simulations.
• Explore deep learning. The GP100 provides more than 20 TFLOPS of 16-bit floating point precision computing — making it an ideal development workstation platform to enable deep learning in Windows and Linux environments.

• Incorporate VR into design and simulation workflows. Quadro GP100 and P4000 have the power to create detailed, lifelike, immersive environments. Larger, more complex designs can be viewed at scale.
• Fast photorealistic design. Pascal-based Quadro GPUs can render photorealistic images more than 18 times faster than a CPU.
• Create expansive visual workspaces. Visualize data in high resolution and HDR color on up to four 5K displays.
• Cost-effectively build massive digital signage configurations. Configure up to 32 4K displays through a single chassis by combining up to eight P4000 GPUs and two Quadro Sync II cards.

Ace Computers CEO John Samborski said, “We have been partnering closely with NIVIDIA for many years. NVIDIA is continually introducing more powerful iterations and Ace Computers is always at the forefront of adoption. As we continue to expand into new domestic and international markets, NVIDIA technology will play a key role in the standout clusters and workstations we build for our clients.”
Read more about Ace Computers and NVIDIA http://www.acecomputers.com/nvidia.asp
Leading custom computer builder and HPC cluster specialist, Ace Computers currently holds the following contracts: SEWP V, CCS-2, GSA, WSIPC, PEPPM, State of Wis., State of Ga. The company is a Woman-Owned Small Business custom technology systems manufacturer and reseller for the public sector as well as the commercial sector. Channel partners include Intel, Supermicro, NVIDIA, Mellanox and Samsung among others. Ace Computers is an authorized Microsoft Surface Partner. An industry leader since 1983, the company is a 2016 HPCwire Readers’ Choice Award finalist. In addition to some of the finest academic institutions in the U.S., long-term clients include the U.S. Department of Energy and the U.S. Department of Defense. In addition to its Greater Chicago headquarters, Ace Computers has locations in New Jersey, Pennsylvania, Virginia, and Nevada. To contact Ace Computers, call 1-877-223-2667 or 1-847-952-6900 or visit http://www.acecomputers.com/TopProducts.asp
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