Ace Computers Announces Leading-Edge High Performance HPC Clusters with Intel Xeon Scalable Processors

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Ace CEO John Samborski

CHICAGO, IL, U.S., September 13, 2017 /EINPresswire.com/ -- Ace Computers just announced it is integrating Intel Xeon Scalable Processors into its supercomputers. This allows clients to compete more effectively with larger organizations by accelerating product innovation and rapidly processing larger, more complex datasets.

The Intel Xeon Scalable Processor may be the biggest platform advancement in recent years. The processor delivers excellent workload-optimized performance and hardware-enhanced security. Designed for secure data service delivery, the processor was facilitated by significant advancements in I/O, memory, network, and storage technologies. A majority of the new processors support Quad CPU configurations.

Ace Computers CEO John Samborski, a legacy member of Intel's Board of Advisors, said, "We have been working closely with Intel since 1983. Most recently we have been collaborating to optimize the high performance clusters that we are building for both the private and public sectors." Intel Xeon Scalable Processor capabilities include:

• Optimized Performance: New features such as Intel Advanced Vector Extension 512 (Intel AVX-512) improve with workload-optimized performance and throughput increases for advanced analytics, HPC applications, and data compression.

• Critical Workload Acceleration: Speed up data compression and cryptography with integrated Intel QuickAssist Technology (Intel QAT).
• More Efficient Operation: High-speed Integrated Intel Ethernet (up to 4x10GbE) helps reduce total system cost. It also lowers power consumption and improves transfer latency of large storage blocks and virtual machine migration.
• Improved Security: Deploy hardware-enhanced security to protect data and system operations without compromising performance.
• The ability to support 100Gb Omni-Path on selected CPU models.

Designed to work for the full range of cluster sizes, these processors provide scalability and balance for both compute and data-intensive applications, as well as artificial intelligence and visualization. They improve bandwidth and reduce latency.
For artificial intelligence/deep learning applications, these processors scale up quickly and seamlessly for more than two times the performance over previous generations. They have maximum flexibility with AI and combination workloads, and server-class reliability.
Ace Computers high performance clusters integrated with Intel processors allow organizations in a range of industries to accelerate solutions, automate operations, gather reliable insight and complete effectively.
For more information, visit: http://acecomputers.com/intel_xeon_scalable.asp
Leading custom computer builder and high performance 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

Jeanna Van Rensselar
Smart PR Communications
6303638081
email us here
