

Ace Computers Announces Servers and HPC Clusters Integrated with AMD EPYC



Ace Computers just announced leading-edge HPC clusters and servers integrated with AMD EPYC that solve compute capacity/storage issues.

CHICAGO October 11, 2017 / -- Ace Computers just announced leading-edge HPC clusters and servers integrated with AMD EPYC. This technology solves the often crippling challenge of compute capacity that outpaces storage capabilities.

Actual cluster/server performance depends on the ratio of resources in order to balance performance and minimize system clogs. The AMD EPYC SoC (system on a chip) has the memory capacity and bandwidth to meet the high demand of the processor cores for data. It also has I/O bandwidth that matches the capability of the

CPU cores to move data to and from the source.

The AMD EPYC SoC optimizes performance at a higher level, delivering the highest core count and memory capacity; and the greatest memory bandwidth and I/O density in the industry.

Ace Computers has been active in the HPC space for nearly two decades. Its workstations and clusters are expertly designed by experienced engineers and built with components developed and manufactured by only premium suppliers. The result is advanced technology that provides years of exceptional service and performance.

Ace Computers CEO John Samborski said, “AMD EPYC has been well received by our engineers. We have always been able to deliver clusters and servers with nearly unlimited power to our clients, but recognized that there were issues with resource allocation where our hands were tied. This new product allows our clients to move forward with compute capacity without having to worry about getting bogged down by storage constraints.”

Benefits of Ace Computers clusters and servers integrated with AMD EPYC include:

- **PERFORMANCE.** The highest core count in an x86-architecture server processor, largest memory capacity, most memory bandwidth, and greatest I/O density are allotted with the right ratios to reach new levels of performance.
- **FLEXIBILITY.** Matches core count with application needs without compromising processor features.
- **SECURITY.** AMD created the first dedicated security processor embedded in an x86-architecture server SoC. The processor manages secure boot, memory encryption, and secure virtualization on the SoC itself. Encryption keys can stay within the processor.

Features/Benefits (per CPU) include:

- Up to 32 high-performance cores (64 threads): Boosts performance and compute density.
- Up to 2TB of DDR4 memory capacity (across 8 channels): Accelerates memory-intensive application performance.
- 128 Lanes of PCI-e Gen 3: Extends server capabilities without incremental PCI switching.
- Integrated security subsystem: Protects and enables secure multi-tenancy per CPU/SoC.

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>