May 30, 2012

Supermicro® X9 5x GPU SuperWorkstation Delivers Maximum Performance with NVIDIA Maximus Certification

- 7047GR-TRF Integrates 1x NVIDIA Quadro and 4x NVIDIA Tesla GPUs in a Single Workstation, Providing Simultaneous Design and Simulation Workflows for Compute-Intensive CAD/CAM, CAE and Digital Content Creation Applications

SAN JOSE, California, May 30, 2012 /PRNewswire/ -- *Super Micro Computer, Inc.*, a global leader in high-performance, high-efficiency server technology and green computing, now offers NVIDIA® Maximus™ [http://www.nvidia.com/object/maximus.html] technology in its latest high-end, enterprise-class X9 SuperWorkstation (7047GR-TRF [http://www.supermicro.com/products/system/4u/7047/sys-7047gr-trf.cfm?parts=show]), allowing users to simultaneously design, render and simulate on the same workstation, avoiding traditional, time-consuming and costly processing downtime. Supermicro's NVIDIA Maximus certified solution integrates an NVIDIA® Quadro [http://www.nvidia.com/object/workstation-solutions.html]® series graphics processing unit (GPU) dedicated for design and visualization tasks with four NVIDIA Tesla® C2075 [http://www.nvidia.com/object/workstation-solutions-tesla.html] co-processors dedicated to handling compute-intensive tasks like simulation—an industry-first configuration of NVIDIA Maximus technology. This powerful GPU duo delivers scientists, engineers and designers the specialized compute capacity to interact with 3D models in CAD/CAM applications, while simultaneously rendering or outputting complex CAE simulations. This ability to multitask with both compute and graphics-heavy applications together, in real time, on a single workstation dramatically accelerates productivity and allows more opportunities for creative exploration.

(Photo: http://photos.prnewswire.com/prnh/20120530/AQ15509-INFO [http://photos.prnewswire.com/prnh/20120530/AQ15509-INFO])

"Supermicro's NVIDIA Maximus certified 7047GR-TRF SuperWorkstation opens the door to personal supercomputing for scientific, engineering and entertainment fields, and closes the gap between design and realization," said Wally Liaw, Vice President of Sales, International at Supermicro. "Our solution allows users to free themselves from compute limitations and to challenge their creativity with an unprecedented four Tesla GPUs plus one Quadro GPU in a 4U Tower, more than any other system in this class on the market. With this incredible performance at the desktop, designers can spend more time interacting with complex models and sophisticated simulations and less time waiting, allowing them to deliver results faster to market."

"Supermicro's professional-level SuperWorkstations harness the power of NVIDIA Maximus technology to sharply improve productivity," said Jeff Brown, general manager of the Professional Solutions Group at NVIDIA. "Supermicro is outstanding at integrating NVIDIA GPU technology into their workstations, and the 7047GR-TRF marks only the start of their efforts to incorporate NVIDIA Maximus's power and flexibility."

What sets the 7047GR-TRF apart as an outstanding enterprise-class system and earns it the SuperWorkstation brand is its multitude of high-value features. Fully configured with 4 double-width NVIDIA Tesla GPUs and a Quadro graphics card, the 7047GR-TRF still has single PCI-E 3.0 x8 and PCI-E 2.0 x4 (in x8) slots available for additional high-bandwidth network and high-performance storage expansions. The 7047GR-TRF is built on Supermicro's high-end X9DRG-QF [http://www.supermicro.com/products/motherboard/Xeon/C600/X9DRG-QF.cfm] serverboard supporting dual Intel® Xeon® E5-2600 family processors for ultimate CPU performance. PCI-E 3.0 support offers future-proof expansion and a cost-effective upgrade path to next generation NVIDIA GPUs. For memory intensive applications, this solution accommodates up to 512GB of DDR3 1600MHz Reg. ECC memory in 16x DIMM sockets and massive internal storage capacity that supports up to 8x hot-swap 3.5" HDDs utilizing onboard 2x SATA3 and 8x SATA2 ports. Supporting this advanced technology and maintaining mission-critical uptime are redundant 1620W power supplies with the industry's highest efficiency Platinum Level (94%+) rating, along with multi-zone thermal controlled fans for optimal cooling and additional energy efficiency.

Supermicro's GPU SuperWorkstations and SuperServers are defining the future of supercomputing for intersecting fields of science, engineering and digital content creation. The 7047GR-TRF is the first of a line of SuperWorkstations to support NVIDIA Maximus technology. For a complete look at Supermicro's total line of high performance, high-efficiency server and storage solutions, visit www.supermicro.com [http://www.supermicro.com/] or go to www.supermicro.com/Maximus [http://www.supermicro.com/Maximus] to select a Supermicro NVIDIA Maximus powered supercomputer.

About Super Micro Computer, Inc.

Supermicro® , the leading innovator in high-performance, high-efficiency server technology is a premier provider of advanced server Building Block Solutions® for Data Center, Cloud Computing, Enterprise IT, HPC and Embedded Systems worldwide. Supermicro is committed to protecting the environment through its "We Keep IT Green®" initiative and provides customers with the most energy-efficient, environmentally-friendly solutions available on the market.

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