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Supermicro Launches Six-Core Opteron With PCI-E 2.0 Solutions

New Line of Servers, Blades and Workstations with GPU-optimized Computing, 40Gb/s QDR InfiniBand, 6Gb/s SAS 2.0, Gold Level Power Efficiency

SAN JOSE, Calif., Sept 21, 2009 /PRNewswire-FirstCall via COMTEX News Network/ -- Super Micro Computer, Inc. (Nasdaq: SMCI), a leader in application-optimized, high performance server solutions, today launched a full range of A+ Server, SuperBlade(R) and workstation platforms optimized for Six-Core AMD Opteron(TM) processors and based on the new AMD SR5690 and SP5100 chipsets. This comprehensive new line of Supermicro solutions boosts performance with PCI-Express 2.0 to double I/O throughput and reduce total cost of ownership (TCO) with high-efficiency (93%+) Gold Level power supplies.

"Supermicro's new six-core A+ server, blade and workstation solutions with PCI-Express 2.0 deliver outstanding performance and value to customers in all segments of the marketplace," said Charles Liang, president and CEO of Supermicro. "This new line of high-quality Server Building Block Solutions supports advanced high-performance features including optimization for GPU computing, 6Gb/s SAS 2.0 storage, and 40Gb/s QDR InfiniBand connectivity."

"We selected Supermicro because of the cutting edge blade technology in the supercomputing space," said Lennart Johnsson, Professor, School of Computer Science and Communications and Director of PDC at KTH and a Hugh Roy and Lillie Cranz Cullen Distinguished Professor of Computer Science, Mathematics and Electrical and Computer Engineering and Director of the Texas Learning and Computation Center, University of Houston. "Supermicro's leading power efficiency, high density, design along with AMD's latest six-core CPU and PCI-E Gen 2 chipset and the power management features offered at various levels were key deciding factors due to our environmental and cost concerns, concerns that are shared by PRACE partners. This new AMD based 4-way SuperBlade(R) will enable a savings in power and cooling costs of approximately 25% compared to traditional server technology, savings that can be invested beneficially for the research communities of PRACE and others."

"With their continued support of AMD server platform technology, Supermicro is supplying the channel with innovative, high-end solutions that deliver the cost and power efficiencies customers need today," said Patrick Patla, Vice President and General Manager, Server and Workstation division, AMD (NYSE: AMD). "AMD's industry-defining multi-core processor technology, now combined with an advanced chipset, provides customers with an optimized platform to help lower energy consumption, while still addressing the compute-intensive demands of the high-performance market."

In addition to the performance enhancements in Six-Core AMD Opteron processors with AMD chipset, Supermicro's new line of A+ solutions offers these high-performance design features:

- GPU-optimized designs: Support up to four double-width GPUs along with two CPUs and up to 3 additional high-performance add-on cards
- 6Gb/s SAS 2.0 designs: Four-socket and two-socket server and workstation solutions with double the data throughput of previous generation storage architectures
- Universal I/O designs: Provide flexible I/O customization and investment protection
- QDR InfiniBand support option: Integrated QDR IB switch and UIO add-on card solution for maximum I/O performance
- High memory capacity: 16 DIMM models with high capacity memory support to dramatically improve memory and virtualization performance
- High-efficiency VRMs: Save energy and reduce electricity costs
- Gold Level power supplies: Further increases overall system power savings

- Up to 10 quad-processor (MP) or dual-processor (DP) Blades in a 7U enclosure: Industry-leading density and power efficiency with up to 240 processor cores and 640GB memory per 7U enclosure

The full range of Six-Core Supermicro A+ solutions includes both DP and MP servers and workstations in 1U, 2U, 4U, tower, and blade form factors. For more detailed information on these new solutions, please visit www.supermicro.com/SR5690_SP5100/.

Supermicro Server Building Block Solutions(R) offer exceptional flexibility and feature advantages. For more information on Supermicro's complete line of server, workstation and blade solutions go to www.supermicro.com.

About Super Micro Computer, Inc. (NASDAQ: SMCI)

Supermicro emphasizes superior product design and uncompromising quality control to produce industry-leading serverboards, chassis and server systems. These Server Building Block Solutions provide benefits across many environments, including data center deployment, high-performance computing, high-end workstations, storage networks and standalone server installations. For more information on Supermicro's complete line of advanced motherboards, servers, and optimized chassis, visit www.supermicro.com, email Marketing@supermicro.com or call the San Jose, CA headquarters at +1 408-503-8000.

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