



## Supermicro® Advanced A+ Supercomputing Platforms Break New Ground With New 16-Core AMD Opteron™ Processors

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- Next Generation HPC Solutions at SC11 Accelerate Scientific,  
Engineering, Business and Research Applications

Super Micro Computer, Inc. , a global leader in high-performance, high-efficiency server technology innovation and green computing, takes High Performance Computing (HPC) to the next level with systems running the newly released 16-core AMD Opteron(TM) 6200 Series processor (formerly code-named "Interlagos"). Supermicro's HPC systems provide exceptional scalability, efficiency and performance for the most demanding, data-intensive applications.

(Photo: <http://photos.prnewswire.com/prnh/20111114/AQ05161>)

"Supermicro's HPC platforms combine the highest performance-per-watt, per-square-foot with the most innovative, energy efficient designs available on the market," said Don Clegg, Vice President of Marketing and Business Development at Supermicro. "At SC11, we are exhibiting our cutting-edge achievements in HPC with integration of the AMD Opteron 6200 Series processors. What makes Supermicro unique in the industry is our capacity to provide first-to-market advantages to our customers and unrivaled flexibility to configure solutions optimized for distinct computing requirements."

Offering the highest-compute density in its class, Supermicro will display its A+ SuperBlade(R) solutions with the quad AMD Opteron 6200 Series processor-based blade (SBA-7142G-T4 [<http://www.supermicro.com/Aplus/superblade/module/SBA-7142G-T4.cfm> ]) and TwinBlade(R) (SBA-7222G-T2 [<http://www.supermicro.com/Aplus/superblade/module/SBA-7222G-T2.cfm> ]) with 20 DP nodes per 7U SuperBlade enclosure. Both SuperBlades deliver an incredible 3,840 cores per 42U SuperRack(TM) [<http://www.supermicro.com/products/rack> ] and provide the fastest interconnect speeds with onboard Mellanox (R) InfiniBand or optional 10GbE networking technology.

For Data Center, Enterprise and Cloud applications, Supermicro is displaying various systems providing enhanced performance, flexibility and power efficiency. The 2U A+ Server (AS-2022G-URF4+ [[http://www.supermicro.com/Aplus/system/2U/2022/AS-2022G-URF4\\_.cfm](http://www.supermicro.com/Aplus/system/2U/2022/AS-2022G-URF4_.cfm) ]) supports dual AMD Opteron 6200 Series processors on Supermicro's innovative and expandable UIO motherboard with 24 DIMM (up to 256GB of memory), GPU support and a 920W Platinum Level (94%+) high-efficiency power supply. The 4-node, 2U Twin2(R) (AS-2022TG-HLIBQRF [<http://www.supermicro.com/Aplus/system/2U/2022/AS-2022TG-HLIBQRF.cfm> ]) supports two 16-core AMD Opteron processors per node with onboard Mellanox InfiniBand and 1620W redundant Platinum Level (94%+) high-efficiency power supplies. For cost-effective applications, the resource optimized 1U system (AS-1012G-MTF [<http://www.supermicro.com/Aplus/system/1U/1012/AS-1012G-MTF.cfm> ]) supports a single 16-core processor, PCI-E 2.0 expandability, 4 hot-swap SATA HDDs and a high-efficiency power supply.

Supermicro's A+ HPC exhibits also include the 4U/Tower server (AS-4022G-6F [<http://super-dev/Aplus/system/Tower/4022/AS-4022G-6F.cfm> ]) supporting dual AMD Opteron 6200 Series processors and up to three GPUs. This system will demo AMD FirePro(TM) professional graphics. For ultimate high-density processing and high-availability in a 4U/Tower configuration (AS-4042G-TRF [<http://www.supermicro.com/Aplus/system/Tower/4042/AS-4042G-TRF.cfm> ]), Supermicro packs quad 16-core AMD processors into a system with redundant 1400W Gold Level (93%+) high-efficiency power supplies.

At SC11, Supermicro is also exhibiting the largest selection of A+ servers and motherboards featuring single, dual and quad configurations supporting the "Bulldozer" architecture-based AMD Opteron processors. Supermicro will also have an impressive presence in the AMD Booth (#823) with live Opteron 6200 Series processor-based system demos. Be sure to go to the AMD booth #823 and ask how to enter to win a Supermicro H8DGi-F [<http://www.supermicro.com/Aplus/motherboard/Opteron6000/SR56x0/H8DGi-F.cfm> ] motherboard, which is compatible with the AMD Opteron 6200 Series processor.

"Supermicro is a leading innovator in the HPC field with computing platforms highly optimized for the latest AMD Opteron 6200 Series processors," said Paul Struhsaker, corporate vice president and general manager, Commercial Business at AMD. "Our latest 16-core AMD Opteron technology incorporates AMD's new, innovative Flex FP design and HyperTransport 3.0 high-speed interconnectivity, making it the most compelling choice for HPC applications."

Supermicro's total SC11 showcase presents the company's broad spectrum of HPC building blocks allowing customers to configure solutions to meet their specific computing application and budgets needs. See Supermicro's extensive portfolio of Supercomputing solutions in Booth #2918.

Alex Hsu, Sr. Chief Executive and Chairman, Supermicro China will present Supermicro's leadership in advanced computing technology at the AMD's Beijing Cloud Launch Event in the Pangu 7 Star Hotel on November 14th, 2011. Supermicro will also display its suite of products supporting AMD's new generation of processors targeting Cloud Computing, Enterprise and Data Center applications at this event.

For more information on all Supermicro computing solutions, visit <http://www.supermicro.com>.

About Super Micro Computer, Inc.

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

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CONTACT: David Okada, of Super Micro Computer, Inc., [davido@supermicro.com](mailto:davido@supermicro.com)

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