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Supermicro® Debuts SuperServer® and SuperBlade® Solutions Supporting New AMD Opteron 6300 Series Processor

- Company Showcases New Lineup of High Performance Computing Solutions Optimized for the New 16 Core AMD Opteron Processor

SAN JOSE, California, Nov. 5, 2012 /PRNewswire/ -- Super Micro Computer, Inc., a global leader in high-performance, high-efficiency server technology and green computing, has upgraded its line of A+ servers with the just released AMD Opteron™ 6300 Series processors. The new A+ server and tower platforms deliver up to 24 percent higher performance over prior generation solutions and maximize processor density and core counts to support more VMs for public and private cloud deployments. Performance per watt is up to 40 percent higher with intelligent thermal/power monitoring and management, enabling datacenters running robust large-scale software systems to maximize performance while lowering overall TCO. With dual-processor (DP) and multi-processor (MP) architectures, Supermicro ups the performance bar for data center and high-performance computing (HPC) cluster applications.

(Photo: <http://photos.prnewswire.com/prnh/20121105/AQ05490> [<http://photos.prnewswire.com/prnh/20121105/AQ05490>])

Supermicro's lineup of A+ servers supporting the Opteron 6300 series processors include 1U DP (AS-1022G-URF [<http://www.supermicro.com/aplus/system/1u/1022/as-1022g-urf.cfm>]) solutions supporting the company's UIO architecture for flexible I/O expansion options, multiple expansion card options including SAS/SATA RAID5, 10Gb Ethernet and InfiniBand for the most demanding HPC applications. High density form-factors in 1U MP (AS-1042G-TF [<http://www.supermicro.com/aplus/system/1u/1042/as-1042g-tf.cfm>]) and 2U MP (AS2042G-6RF [<http://www.supermicro.com/aplus/system/2u/2042/as-2042g-6rf.cfm>]) support quad processors with up to 64 cores and 1TB of DDR3 memory and high-speed InfiniBand QDR interconnects for high-performance database and SQL server applications. The 4-node, 2UTwin2® (AS-2022TG-HLIBQRF [<http://www.supermicro.com/aplus/system/2u/2022/as-2022tg-hlibqrf.cfm>]) supports dual 16-core AMD Opteron processors and 1866 DDR3 memory per node with onboard Mellanox InfiniBand and 1620W redundant Platinum Level (94%+) high-efficiency power supplies. A 4U/Tower solution (AS-4022G-6F [<http://www.supermicro.com/Aplus/system/Tower/4022/AS-4022G-6F.cfm>]) in DP and (AS-4042G-6RF [<http://www.supermicro.com/Aplus/system/Tower/4042/AS-4042G-6RF.cfm>]) in MP offer maximum storage capacities with support for up to 8x hot-swap SAS/SATA HDD bays. For the best computing performance, SuperBlade® [<http://www.supermicro.com/Aplus/superblade/module/>] maximizes Opteron 6300 series processor density with up to 20 DP nodes (SBA-7222G-T2 [<http://www.supermicro.com/aplus/superblade/module/sba-7222g-t2.cfm>]) or 10 MP nodes (SBA-7142G-T4 [<http://www.supermicro.com/aplus/superblade/module/sba-7142g-t4.cfm>]) in 7U enclosure, supporting up to 3,840 cores in a 42U rack with high speed, low latency interconnect using FDR InfiniBand switches.

"Supermicro and AMD have a great history of delivering the best price/performance ratio for high performance server solutions," Don Clegg, Vice President of Marketing and Business Development at Supermicro. "With the addition of AMD's new Opteron 6300 Series processors across our A+ platforms, we raise the bar by offering greater performance, higher energy efficiency and new power management features. Together, we help customers maximize IT budgets by enabling higher levels of virtualization with the most cost effective, scalable computing platforms."

"We are excited to bring our new AMD Opteron 6300 Series processors to market at a time when cloud computing and big data markets are rapidly expanding," said John Williams, vice president, Server Marketing and Business Development, AMD. "Supermicro, an experienced global player in these markets and a long-standing solution provider with AMD, has a wide range of 2P/4P platforms optimized and ready for our latest processors. The Supermicro platform portfolio coupled with the performance, scalability, and cost-effectiveness of AMD's latest offerings enable us to jointly deliver powerful computing solutions to meet the increasing demands of our fast paced data driven society."

Visit Supermicro (booth 817) and AMD (booth 2019) at Super Computing 2012 in Salt Lake City Utah, November 12-15, to see their combined solutions, or go to www.supermicro.com/aplus [<http://www.supermicro.com/aplus>] for complete details on their latest A+ product details.

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