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Supermicro Sets Performance-per-Watt Milestones

Intel CPU-based SuperBlade(TM) Achieves 290 GFLOPS/kW

SAN JOSE, Calif., April 16, 2008 /PRNewswire-FirstCall via COMTEX News Network/ -- Super Micro Computer, Inc. (Nasdaq: SMCI), a leader in application-optimized, high performance server solutions, today announced unprecedented performance-per-watt benchmarks using its latest SuperBlade(TM) and 1U Twin(TM) servers. Until recently, a metric of 200 GFLOPS/kW was considered impossible to achieve with conventional x86 technology. However, the Supermicro DatacenterBlade(TM), with its measured 290 GFLOPS/kW*, along with the Supermicro 1U Twin, with 240 GFLOPS/kW*, both easily surpass previous standards of excellence for x86-based servers.

(Photo: http://www.newscom.com/cgi-bin/prnh/20080416/AQW066)

"Industry-leading performance combined with unmatched, earth-friendly power efficiency, make Supermicro SuperBlade(TM) and 1U Twin(TM) servers the best choices for all large-scale server environments seeking to optimize both performance and power consumption," said Charles Liang, president and CEO of Supermicro. "In the $11 billion HPC market, Supermicro's leading performance-per-watt servers help our customers save significantly on their energy bills and total cost of ownership (TCO)."

"With outstanding performance and power efficiency, Mellanox(R) InfiniBand-accelerated, Supermicro SuperBlade(TM) and 1U Twin(TM) servers are industry-leading choices for enterprise data center environments and high- performance computing applications," said Eyal Waldman, chairman, president and CEO of Mellanox Technologies, Ltd. "Our low-latency, high-throughput ConnectX adapters enhance multi-core CPU application processing efficiency optimizing performance, power and return on investment of clustered computing and storage systems."

Performance-per-watt, a measure of computational green efficiency, is calculated as GFLOPS (billions of floating point operations per second) divided by the power consumed (measured in kW) of a given system. LINPACK, an industry benchmark for HPC systems, is used to measure system performance in GFLOPS. Total power consumption was measured for each system during LINPACK operation. The resulting ratio provides a normalized method to compare the green efficiency between various servers.

For the ultimate in energy efficiency (93%*) and performance-per-watt (290 GFLOPS/kW), Supermicro is introducing the new SBI-7425C blade server optimized for its new 14-blade 7U DatacenterBlade(TM) enclosure (SBE-714D), which is ideal for data center environments. In addition, the new SBI-7125C blade server in the 10-blade 7U OfficeBlade(TM) enclosure (SBE-710Q) provides industry-leading energy efficiency and low-noise operation at less than 50dB, making it an excellent choice for office environments.

Alternatively, for the best 1U data center solution (240 GFLOPS/kW), Supermicro's new 1U Twin(TM) 6015TC SuperServers feature two DP server nodes in a single chassis and a 780-watt (90%+*) high-efficiency power supply. This 0.5U density (84 server nodes in a standard 42U rack) makes these platforms an excellent choice for high-performance computing clusters, server farms and other datacenters where space, cost, energy-efficiency and density are high priorities.

Supermicro Server Building Block Solutions(R) offer exceptional flexibility and feature advantages. For more information on Supermicro's complete line of server and workstation solutions go to http://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, SuperServers, and optimized chassis, visit http://www.Supermicro.com, email Marketing@Supermicro.com or call the San Jose, CA headquarters at +1 408-503-8000.

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* Performance and peak power efficiency figures based on internal test

results.

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