Supermicro® Debuts 115TB All-Flash Software-Defined Storage Solution for Enterprise and Cloud Scale Environments

New High Performance, High Availability, Unified Storage Solution Supporting Nexenta and HGST Technologies Accelerates I/O and Simplifies Integration, Management and Scalability through Advanced SDS and SSD Technologies

SAN JOSE, Calif., Sept. 1, 2015 /PRNewswire/ -- **Super Micro Computer, Inc.** (NASDAQ: SMCI), a global leader in high-performance, high-efficiency server, storage technology and green computing, in collaboration with Nexenta and HGST, has developed a turnkey scale-up high performance unified block and file storage solution optimized for high performance data-centric environments. Supermicro's 2U Ultra SuperServer® integrates NexentaStor, Nexenta's flagship Open Source-driven Software-Defined Storage (OpenSDS) platform combined with 2U SuperStorage featuring HGST's Ultrastar® SSD800MH.B and Ultrastar® SSD1600MM high-performance Flash-based storage delivers cluster solutions in 19TB, 38TB, 76TB and 115TB configurations. NexentaStor OpenSDS, designed for Enterprise class performance provides unified file (NFS and SMB) and block (FC and iSCSI) storage services and robust data management functions for maximum data integrity and high availability. The all-SSD solution supports the most demanding mission-critical applications in physical or virtualized infrastructure environments.

"Supermicro's best-in-class server, storage and networking solutions optimized for Enterprise, Data Center and Cloud scale environments drive business growth and innovation," said Wally Liaw, Sr. Vice President of Sales at Supermicro. "Collaboration with Nexenta and HGST offers choices to our customers who are looking for high-performance all-flash SDS solutions and this highlights our strengths in advanced technology integration for high performance data workloads of any scale. This unified storage solution provides customers a scalable high IOPS storage infrastructure that delivers performance, reliability and cost effectiveness as well as ease of management with robust automation features."

"Nexenta is unrivaled in the industry as the only pure software-only provider of SDS for all platforms, stacks and workloads," said Tarkan Maner, Chairman and CEO of Nexenta. "For businesses to scale with the exponential growth demands of data and analytics the industry needs to evolve from appliance-based storage to the dynamic flexibility of software-defined storage. Our collaboration with Supermicro and HGST on this new all-flash solution opens the door for organizations to accelerate business applications and dramatically increase performance, visibility and control across their storage infrastructure and lower both CAPEX/OPEX to reduce overall TCO."

"With decades of proven expertise, HGST is the de-facto market leader of high-performance and high-reliability enterprise-class SAS SSDs," said Renate Quigley, senior vice president of product marketing, HGST. "Organizations are contending with both a growing data deluge and the need for instant data accessibility to drive real-time insight. Our collaboration with Nexenta and Supermicro on this new, all-flash SDS solution delivers the acceleration, reliability and scalability required to handle today's demanding enterprise and cloud scale storage requirements."

Solution Specifications
Controller Node

- 2x 2U Ultra SuperServer® (SYS-6028U-NEX2) - dual Intel® Xeon® processor E5-2643 v3 (3.4GHz, 6-core), 256GB (16x 16GB DIMMs), NexentaStor 4.0 software, 12Gbps SAS HBAs, 2x dual 10GbE SFP+ ports (NFSv3, NFSv4, CIFS, SMB 2.1, iSCSI)

Storage Enclosures

- 19TB JBOD Cluster (SRS-NSM019-HGST-01-NS017) - 24x 2.5" hot-swap HGST 800GB SSDs
- 38TB JBOD Cluster (SRS-NSM038-HGST-01-NS017) - 24x 2.5" hot-swap HGST 1600GB SSDs
- 76TB JBOD Cluster (SRS-NSM076-HGST-01-NS017) - 48x 2.5" hot-swap HGST 1600GB SSDs
- 115TB JBOD Cluster (SRS-NSM115-HGST-01-NS017) - 72x 2.5" hot-swap HGST 1600GB SSDs

Performance

- Sub millisecond latency
- Up to 200,000 32KB IOPS and 6 GB/s maximum throughput
- List price ranges between $2/Raw GB to $3.5/Raw GB depending on the configuration

Visit http://www.supermicro.com/Nexenta/ for more information on Supermicro/Nexenta SDS solutions.

Visit www.supermicro.com for more information on Supermicro's complete range of high performance, high-efficiency Server, Storage and Networking solutions.

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About Super Micro Computer, Inc.
Supermicro® (NASDAQ: SMCI), 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, Hadoop/Big Data, 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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