Netlist's Hypercloud Memory Tackles Big Data Bottlenecks at SC11

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HyperCloud performance benefits demonstrated with Sybase Analytics software

Visit Netlist at SC11, Booth 2938

SEATTLE, Nov. 10, 2011 /PRNewswire/ -- Netlist, Inc. (Nasdaq: NLST), a designer and manufacturer of high-performance memory subsystems, today announces the showcase of its flagship HyperCloud™ memory module and Vault™ cache-to-flash non-volatile DIMM portfolio at SC11, the international conference for high performance computing (HPC), networking, storage and analysis. Netlist also introduces the latest in its series of HyperCloud whitepapers, "Improving Data Analytics Performance Using HyperCloud Memory."

HyperCloud is the industry leading high-performance, load-reduced virtual dual rank RDIMM and overcomes traditional memory bottlenecks that can limit server DRAM memory capacity and bandwidth. Netlist validated HyperCloud's significant performance advantages for big data analytics workloads when compared to RDIMM memory on an industry standard two-processor server running Sybase IQ. Sybase IQ database software targets mission-critical business intelligence, analytics and data warehousing challenges. Using financial services workload models, which query financial market data or "tick data," HyperCloud delivers the following performance improvements:

- Up to 90% performance gains for inter-day and intra-day queries with 16-32 concurrent database users;
- 68% inter-day query average performance gain with 1 to 32 concurrent database users;
- 31% query average performance gain with 1 to 32 concurrent database queries

"The use of big data and predictive analytics is fast becoming a valuable tool that enterprises are using to cut costs and maximize opportunities. Increasing server memory capacity and bandwidth is necessary to maintain and improve the performance of these tools," said Dan Olds of Gabriel Consulting Group. "Wall Street firms use analytics to build models and trading algorithms to maximize their market returns."

Netlist will showcase its product portfolio, including HyperCloud high performance memory and Vault cache-to-flash non-volatile memory modules, at SC11 in booth number 2938 taking place in SeattleNovember 14-17.

In addition to its product showcase, Netlist's Philip Swart, Vault technical marketing manager, will also present during the disruptive technologies session. The talk will detail how NVvault™ enables reliable and scalable cache data protection for today's big data storage equipment. The session will take place daily Tuesday through Thursday, November 15-17 at 10:30 a.m. in booth number WL1, WSCC 6th floor foyer.

More information on Netlist's Virtual Dual Rank HyperCloud RDIMM and benchmarking whitepapers are available at www.netlist.com/hypercloud.

Additional information on SC11 is available at www.sc11.supercomputing.org.

About Netlist:

Netlist, Inc. designs and manufactures high-performance, logic-based memory subsystems for server and storage applications for cloud computing. Netlist's flagship products include HyperCloud™, a patented memory technology that breaks traditional memory barriers, NVvault™ family of products that enables data retention during power interruption, EXPRESSvault™, a PCI Express backup/recovery solution for cache data protection and a robust portfolio of high performance and specialty memory subsystems including HyperStream, VLP (very low profile) DIMMs and Planar-X RDIMMs.

Netlist develops technology solutions for customer applications in which high-speed, high-capacity, small form factor and heat dissipation are key requirements for system memory. These customers include OEMs that design and build tower servers, rack-mounted servers, blade servers, high-performance computing clusters, engineering workstations and telecommunications equipment. Founded in 2000, Netlist is headquartered in Irvine, CA with manufacturing facilities in Suzhou, People's Republic of China. Learn more at www.netlist.com.

Safe Harbor Statement:

This news release contains forward-looking statements regarding future events and the future performance of Netlist. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those expected or projected. These risks and uncertainties include, but are not limited to, continuing development, qualification and volume production of EXPRESSvault™, NVvault™ and HyperCloud™; the rapidly-changing nature of technology; risks associated with intellectual property, including the costs and unpredictability of litigation over infringement of our intellectual propertyand the possibility of the Company's patents being re-examined by the United States Patent and Trademark office; volatility in the pricing of DRAM ICs and NAND; changes in and uncertainty of customer acceptance of, and demand for, our existing products and products under development, including uncertainty of and/or delays in product orders and product qualifications; delays in the Company's and its customers' product releases and development; introductions of new products by competitors; changes in end-user demand for technology solutions; the Company's ability to attract and retain skilled personnel; the Company's reliance on suppliers of critical components; fluctuations in the market price of critical components; evolving industry standards; and the political and regulatory environment in the People's Republic of China. Other risks and uncertainties are described in the Company's annual report on Form 10-K, datedMarch 3, 2011, and subsequent filings with the U.S. Securities and Exchange Commission made by the Company from time to time. Except as required by law, Netlist undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

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