Third Party Benchmark Proves Hypercloud(TM) Delivers 54% Improvement in Memory Bandwidth Over LRDIMM

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HyperCloud Memory Addresses High Density Server Memory Cliff for Memory-Hungry Electronic Design Automation Tools

IRVINE, CA -- (Marketwire) -- 08/02/12 -- Netlist, Inc. (NASDAQ: NLST), a designer and manufacturer of high-performance memory subsystems, today announced that its HyperCloud? HCDIMM? memory modules achieved breakthrough results in helping electronic design automation (EDA) professionals to increase design productivity, reduce time to market and lower costs. The benchmark testing was performed by Deopli, one of the foremost thought leaders in the EDA infrastructure and cloud computing space.

"The specific facets of EDA design flow that would benefit from a larger memory footprint and faster memory access speeds include select parts of block and top-level design, verification and implementation tools which are extremely expensive," said Scott Clark, CEO of Deopli. "By utilizing HyperCloud, our benchmark test results revealed that HCDIMMs can significantly reduce costs and drive productivity in an EDA environment."

HyperCloud HCDIMM memory utilizes a distributed buffer architecture to reduce latency and incorporates Netlist's patented rank multiplication and load reduction technologies. Rank multiplication enables more DRAM capacity and load reduction reduces the loading to the memory interface allowing HCDIMMs to run at faster speeds at maximum capacity. HyperCloud is being deployed across high-performance computing applications in industries such as EDA, financial services, oil & gas, aerospace and automotive design simulations.

"Today's memory performance in servers is not keeping pace with the evolution of processor technology, creating a high density memory cliff which HyperCloud technology addresses," said Chuck Hong, CEO of Netlist. "Deopli's benchmark results show that memory-hungry EDA tools run faster with HyperCloud. This creates opportunities to either use fewer software licenses or allow more workloads to run at the same time, allowing customers to deliver product to market faster and at lower cost."

Deopli tested Netlist's HyperCloud HCDIMMs as one of three possible memory solutions on servers utilized for semiconductor design. An HP ProLiant DL380p server was configured with 384GB of system memory using Registered DIMMs (RDIMMS), Load Reduced DIMMs (LRDIMMs) and HCDIMMs. The HCDIMMs operated at 1333 MT/s memory speeds, while the RDIMMs and LRDIMMS ran at the industry standard 1066 MT/s. The HCDIMMs showed a 54 percent memory bandwidth improvement and a 25 percent EDA simulation runtime improvement over LRDIMM.

Additional information on Netlist's HyperCloud technology can be found at www.netlist.com/hypercloud.

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 broad portfolio of industrial Flash and specialty memory subsystems including 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, rack-mounted, and 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 and an engineering design center in Silicon Valley, CA. 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, risks associated with the launch and commercial success of our products, programs and technologies; the success of product partnerships; continuing development, qualification and volume production of EXPRESSvault?, NVvault?, HyperCloud? and VLP Planar-X RDIMM; the rapidly-changing nature of technology; risks associated with intellectual property, including the costs and unpredictability of litigation over infringement of our intellectual property and 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 and vendors in the supply chain; 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 filed on February 28, 2012, 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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