Effective Data Rates on Fully Populated 3DPC Servers

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IRVINE, CA -- (Marketwire) -- 08/21/12 -- Netlist, Inc. (NASDAQ: NLST), a designer and manufacturer of high-performance memory subsystems, announced that OEM performance benchmark data confirms that 32GB HyperCloud HCDIMM significantly outperforms 32GB LRDIMM in fully populated three DIMMs per channel (3DPC) 768GB server configurations. The results mirror earlier HCDIMM benchmarks performed by independent third parties at 16GB densities and based on memory throughput results (bandwidth performance), 3DPC populated LRDIMMs specified to operate at 1066MT/s provide an Effective Data Rate of 773MT/s while HCDIMM operates at an equivalent 1333MT/s, as specified.

"The OEM benchmark result further validates that 32GB HyperCloud HCDIMM is the only 32GB solution available to support 768GB on 3DPC configured Intel dual processor servers at a maximum 1333MT/s speed by overcoming limitations in DRAM and server technology," said C.K. Hong, Chief Executive Officer of Netlist. "The alternative LRDIMM solution suffers significant performance penalties that result in actual application performance much lower than specified or expected, and provides poor returns on investments for customers who purchase LRDIMMs."

Benchmark testing was conducted by a major OEM on an Intel® Xeon® Processor E5-2600 server platform with two Intel® E5-2690 processors fully populated with 32GB 1333MT/s HCDIMMs and 32GB 1066MT/s LRDIMMs. To isolate only the performance of the memory being tested, the same hardware and software was used except for HCDIMM and LRDIMM population. HCDIMM throughput is 71% higher than LRDIMM and in almost all server platforms, 1333MT/s HCDIMM will be more than two speed grades faster than 1066 MT/s LRDIMM. At equal MT/s specifications, HCDIMM's Effective Data Rate will still be more than one speed grade faster.

Additional information on the Effective Data Rate of Netlist's 32GB HCDIMM can be found at www.netlist.com/hypercloud/effective-data-rates.

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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