



NETLIST

## **HyperCloud Achieves Server Memory Speed Breakthrough at SC11**

*Demonstration Highlights HyperCloud's Advantages over commodity RDIMM, LRDIMM*

**Seattle, November 15, 2011** – [Netlist](#), Inc. (Nasdaq: NLST), a designer and manufacturer of high-performance memory subsystems, today is demonstrating its 288GB HyperCloud™ DRAM memory running at a breakthrough speed of 1333 MT/s (mega transfers per second) on an industry standard server. HyperCloud is the patented high-performance virtual dual rank (2vR) RDIMM which overcomes traditional memory bottlenecks that limit server memory capacity and bandwidth.

For this demonstration, Cirrascale's rackmount server is configured with two Intel Xeon 5600 series processors and fully loaded with eighteen 16GB HyperCloud memory modules running at maximum speed allowed by the system. The showcase demonstrates the significant performance advantages of HyperCloud memory – running 66 percent faster at 1333 MT/s versus commodity RDIMM which is limited to 800 MT/s. This breakthrough memory speed allows servers using HyperCloud to deliver significant performance gains in high performance computing (HPC) applications such as finite element analysis, electronic design automation, and data analytics.

The successful demonstration also highlights the fundamental differences between HyperCloud and industry's commodity offering, LRDIMM (load reduced dual inline memory module). Unlike LRDIMM's monolithic signal architecture, HyperCloud's distributed signal architecture improves performance by eliminating data path delays and system-level latency. Also, while LRDIMM requires a special BIOS configuration, HyperCloud provides seamless plug-and-play operation with past, current and future generations of Intel processors.

“This week's HyperCloud demonstrations at SC11, including today's breakthrough speed achievement of 1333 MT/s, clearly show that no other memory solution can compete with the proven performance of HyperCloud – in both current and future servers.” said Steve McClure, vice president of worldwide sales and marketing at Netlist. “As the industry leader in rank-multiplied and load-reduced memory technologies, we look forward to continuing server memory innovations and staying ahead of the competition.”

Netlist is showcasing this demonstration, at SC11 in booth number 2938, taking place in Seattle November 14-17.

HyperCloud memory has been qualified with Cirrascale's RM2325 rackmount server and VB1325 server blade. Additional information on Cirrascale's products can be found at <http://cirrascale.com>.

Additional information on Netlist's Virtual Dual Rank HyperCloud Memory can be found at [www.netlist.com/hypercloud](http://www.netlist.com/hypercloud).

**About Cirrascale:**

Cirrascale Corporation is a premier developer of blade-based cloud computing and storage platforms for conventional and containerized data centers. Cirrascale provides the industry's most energy-efficient and reliable standards-based solutions with the lowest possible total cost of ownership in the absolute densest form factor due to its patented Vertical Cooling Technology. Cirrascale sells to large-scale infrastructure operators, hosting and managed services providers, Cloud Service Providers, and HPC users. Cirrascale also licenses its award winning technology to partners globally. To learn more about Cirrascale and its unique data center infrastructure solutions, please visit <http://www.cirrascale.com> or call (888) 942-3800.

**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](http://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™, HyperStream 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;*

*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 quarterly report on Form 10-Q for the quarter ended October 1, 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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