

# Netlist And Paper Battery Company Enter Strategic Alliance To Deploy Non Volatile Memory

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IRVINE, Calif., April 13, 2016 /PRNewswire/ -- Netlist, Inc. (NASDAQ: NLST), a leading provider of high performance and hybrid memory solutions for the cloud computing and storage markets, and Paper Battery Company, developer of innovative energy technologies, today announced a strategic alliance at the Open Server Summit in Santa Clara, California. The two companies have developed a solution that maximizes the number of Netlist Non-Volatile DIMM (NVDIMM) products that can be deployed into a single server, resolving the current challenges which arise due to cabling, space and thermal limits.



## NETLIST

"Netlist has been an innovator in Non-Volatile Memory (NVM) solutions for over a decade. We are excited to continue that innovation by incorporating the revolutionary energy sources of the Paper Battery Company with our NVDIMM's," said Brian Peterson, Senior Vice President of Sales and Marketing at Netlist. "Paper Battery Company's offerings incorporated with our current NVDIMM deployments will enable customers to break new ground in application acceleration."

"As the amount of data collected and analyzed by organizations grows exponentially, servers must expand their systems as well. This is what is so exciting about our partnership with Netlist. Our products can provide a superior form fit and function for critical backup power for Netlist NVM and can ultimately help our end-customers deploy large counts of NVM products inside today's servers. Our products will fit even as broader system level deployments are considered in the near future," said Mike Leiber, Paper Battery Company's Director of Sales.

Netlist will be in the SNIA area of the Open Server Summit on April 13<sup>th</sup> to 14<sup>th</sup> demonstrating real world application use cases for NVDIMM's. Building on a series of use cases since the start of the year, twelve Netlist NV4 modules (NVDIMM-N) are being used to show a 300% improvement in the transactions over a leading Enterprise PCIe NVMe. In this platform, a high write intensive

Sysbench workload is injected against a MySQL database that houses 32 different tables, 10 million rows per table, for a total of 320 million rows. The NVDIMM's are energy protected by Paper Battery technology.

In previous demonstrations, each NVDIMM has been tethered to its own energy source, making server layout and cable routing a challenge with large DIMM implementations. With Paper Battery's introduction of a 2.5" bay mounted supply - 16 NVDIMM's can be powered from one unit. For systems where NVDIMM counts go even higher, a PCIe mounted power source from PaperBattery can supply up to 26 NVDIMM's. Using servers such as the SuperMicro X10 based platform, it is now possible to have high concentrations of Netlist NV4's on board while Paper Battery's innovation in energy sources allows for reliable, high density power. These solutions can be found at booth #305.

### **About Netlist, Inc.**

Netlist creates solutions that accelerate turning data into information. We design and manufacture controller and software-based memory solutions for our OEM and Hyperscale customers in the server and storage space. Flagship products NVvault® and EXPRESSvault™ accelerate system performance and provide mission critical fault tolerance. HyperVault®, Netlist's next-generation architecture, expands the performance and capacity of memory channel storage. The company holds a portfolio of patents, many seminal, in the area of hybrid memory, rank multiplication and load-reduction, among others. To learn more, visit [www.netlist.com](http://www.netlist.com).

### **About Paper Battery Company**

The Paper Battery Company has designed a game-changing, ultrathin, ultracapacitor with industry-leading performance. Ultracapacitors enable companies to use smaller batteries without compromising energy or peak performance and the company's patented form factor solution allows for revolutionary size changes in wearables, accessories, and mobile electronics. The company's products provide scalable voltage, energy and power in a single, ultrathin package. The long life, environmentally-friendly device works with existing lithium batteries, reducing waste, and fits in or around existing components. The company's innovative business model and technology garnered recognition as a CES 2015 and TIE50 2013 awardee as well as multiple competitive awards from NY State Energy and Research Development Authority. For more information go to <http://www.paperbatteryco.com>

### **Safe Harbor Statement:**

*This news release contains forward-looking statements regarding future events and the future performance of Netlist. A forward-looking statement is neither a prediction nor a guarantee of future events or circumstances and is based on currently available market, operating, financial and competitive information and assumptions. Forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those expected or projected, including, among others, risks associated with the launch and commercial success of our products, programs and technologies; the success of product, joint development and licensing partnerships; continuing development, qualification and volume production of HyperVault™, EXPRESSvault™, NVvault®, HyperCloud® and VLP Planar-X RDIMM; the timing and magnitude of the continued decrease in our sales; our ability to leverage our NVvault® and EXPRESSvault™ technology in a more diverse customer base; our need to raise additional capital and our ability to obtain financing when necessary; the rapidly-changing nature of technology; risks associated with intellectual property, including patent infringement litigation against us as well as the costs and unpredictability of litigation over infringement of our intellectual property and the possibility of our patents being reexamined or reviewed by the United States Patent and Trademark office and the*

*Patent Trial and Appeal Board; volatility in the pricing of DRAM ICs and NAND flash; 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 our and our customers' product releases and development; introductions of new products by competitors; changes in end-user demand for technology solutions; our ability to attract and retain skilled personnel; our reliance on suppliers of critical components and vendors in the supply chain; fluctuations in the market price of critical components; evolving industry standards; the political and regulatory environment in the People's Republic of China; and general economic and market conditions. Other risks and uncertainties are described in our annual report on Form 10-K filed on March 4, 2016, and subsequent filings with the U.S. Securities and Exchange Commission we make from time to time. Except as required by law, we undertake 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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To view the original version on PR Newswire, visit:<http://www.prnewswire.com/news-releases/netlist-and-paper-battery-company-enter-strategic-alliance-to-deploy-non-volatile-memory-300250768.html>

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