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NEWS RELEASE

Viking Technology Collaborates with Sony Corporation to Bring ReRAM Storage Class Memory to NVDIMM Markets

8/10/2015

SAN JOSE, Calif., Aug. 10, 2015 /PRNewswire/ -- Viking Technology, a division of Sanmina Corporation (Nasdaq: SANM), and leading global manufacturer of NVDIMM, DRAM and solid state drive (SSD) solutions, today announced its collaboration agreement with Sony Corporation to develop the next generation of Non-Volatile Dual in-line Memory Module (NVDIMM) products leveraging ReRAM Storage Class Memory from Sony Corporation.

"Viking has a strong legacy developing Non-Volatile DIMM (NVDIMM) products over several generations from DDR2 to DDR4," said Hamid Shokrgozar, President, Viking Technology. "This partnership with Sony solidifies a long term roadmap for our NVDIMM products by utilizing next generation ReRAM Storage Class Memory from Sony. This product roadmap is also very important for our customers, who are deploying this key technology in their next generation computing and storage products. It also sets the stage for future Persistent Memory module solutions not only for Viking but for the enterprise storage and server markets."

This collaboration between the companies launches a significant advance in Storage Class Memory system product development, designed specifically for enterprise computing customers. Sony ReRAM Storage Class Memory delivers performance and endurance that greatly exceeds NAND flash, while simultaneously providing the data non-volatility and module memory capacity desired for persistent applications.

"We are excited and looking forward to the co-development with Viking Technology on the next generation of

NVDIMM products," said Terushi Shimizu, Senior Vice President and Deputy President of Device Solutions Business Group, Sony Corporation. "At this stage in ReRAM development, we are looking ahead to the implementation of this technology accelerating real-world cloud datacenter applications such as In-Memory Databases and Real Time Analytics. This will prove to be an exciting new chapter in the decade long development of our ReRAM memory technology."

Non-Volatile DIMMs, often termed NVDIMMs, are designed to deliver high performance, endurance and reliability to next generation servers that are NVDIMM enabled. Traditionally, enterprise applications could not trust main memory (DRAM) because it is volatile (loss of data upon power failure). Therefore, batteries, Uninterruptable Power Supplies (UPS's) and techniques such as check-pointing were used to ensure data security, but at the cost of performance. NVDIMMs now enable server and storage arrays to utilize persistent memory that delivers both the highest performance and 100 percent data security.

Viking Technology and Sony Corporation will be showcasing ReRAM Storage Class Memory at Viking's Booth #517 during the upcoming 2015 Flash Memory Summit in Santa Clara, CA – USA, August 11-13. In addition both companies will be presenting in the following sessions and seminars on NVDIMM and New Memory Technologies:

August 10, 2015: 8:30am – 12:00pm

Pre-Conference Seminar D

Using Persistent System Memory to Increase Performance

Raghu Kulkarni, Director Firmware, Viking Technology

August 12, 2015: 3:10pm – 4:15pm

Session 203-A: RRAM (New Technologies Track)

ReRAM Technology Perspective

Amigo Tsutsui, General Manager, Sony

10:50am

August 12, 2015: 9:45am – 10:50am

Session 202-A: Flash on the Memory Bus (New Technologies Track)

NVDIMM Applications

Paul Sweere, Vice President of Engineering, Viking Technology

About Viking Technology

Viking Technology is recognized as a leader in NVDIMM technology. Supporting a broad range of memory solutions that bridge DRAM and SSD, Viking delivers solutions to OEMs in the enterprise, high-performance computing,

industrial and telecommunications markets. Viking Technology is a division of Sanmina Corporation (Nasdaq: SANM), a leading Electronics Manufacturing Services (EMS) provider. More information is available at www.vikingtechnology.com.

About Sanmina Corporation (NASDAQ: SANM)

Sanmina Corporation is a leading integrated manufacturing solutions provider serving the fastest-growing segments of the global Electronics Manufacturing Services (EMS) market. Recognized as a technology leader, Sanmina provides end-to-end manufacturing solutions, delivering superior quality and support to Original Equipment Manufacturers (OEMs) primarily in the communications networks, defense and aerospace, industrial and semiconductor systems, medical, multimedia, computing and storage, automotive and clean technology sectors. Sanmina has facilities strategically located in key regions throughout the world. More information regarding the company is available at <http://www.sanmina.com>.

Sanmina Safe Harbor Statement

The foregoing, including the discussion regarding the Company's future prospects, contains certain forward-looking statements that involve risks and uncertainties, including uncertainties associated with economic conditions in the electronics industry, particularly in the principal industry sectors served by the Company, changes in customer requirements and in the volume of sales principal customers, the ability of Sanmina to effectively assimilate acquired businesses and achieve the anticipated benefits of its acquisitions, and competition and technological change. The Company's actual results of operations may differ significantly from those contemplated by such forward-looking statements as a result of these and other factors, including factors set forth in our Company's Annual and quarterly reports filed with the Securities Exchange Commission.

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To view the original version on PR Newswire, visit: <http://www.prnewswire.com/news-releases/viking-technology-collaborates-with-sony-corporation-to-bring-reram-storage-class-memory-to-nvdimms-markets-300125843.html>

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