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AgigA Tech Introduces Evaluation Systems for AGIGARAM™ Non-Volatile Memory Solutions

Industry-Standard Server Platform Utilizes AGIGARAM NVDIMMs To Offer Persistent

Memory at DDR3 Speeds; Solution on Display at Flash Memory Summit, August 9-11

SAN DIEGO--(BUSINESS WIRE)-- AgigA Tech Inc., a subsidiary of Cypress Semiconductor Corp. (NASDAQ: CY) and a leading provider of high-speed, high-density, battery-free non-volatile memory solutions, today introduced a new evaluation system for its AGIGARAM DDR3 Non-Volatile DIMM (NVDIMM) solutions. The new system integrates AgigA Tech's second-generation DDR3 NVDIMM solutions into the standard DIMM sockets on an industry standard server platform. AgigA Tech also provides a Linux driver to reliably manage the system operation of preserving and restoring the contents of DRAM in the event of a power failure.

The new evaluation system is intended for developers of enterprise-class storage and server applications who are looking to take advantage of a persistent memory architecture that has the ultra-low latency of DRAM. Application usage may include write caching for RAID, hash look-up and coherency, database and translation layer management, fast transactional IO in a tiered storage architecture, or even whole system persistence. AgigA Tech will be showcasing the new evaluation system and more at the upcoming Flash Memory Summit at the Santa Clara Convention Center from August 9 to 11 in booth #213. Those interested in scheduling a meeting with AgigA Tech personnel can email info@agigatech.com.

AGIGARAM is a new class of non-volatile memory developed to meet the need for higher-density, higher-performance memory for enterprise-class storage and server applications. By combining DRAM, Flash, an intelligent system controller and an ultracapacitor power source, AGIGARAM provides a highly reliable memory subsystem that runs with the latency and endurance of the fastest DRAM, but with the persistence of Flash. Until recently, designers have reluctantly used batteries to maintain their data during power outages. Others have moved toward new flash-based technologies for memory persistence, but this option falls short of DRAM in terms of latency, speed, endurance and reliability. AGIGARAM enables the fastest possible system performance while also eliminating the many headaches associated with batteries, such as hazardous material disposal, short operating life and extensive maintenance.

"We've taken our second-generation DDR3 AGIGARAM NVDIMM solutions and integrated them into an industry standard server platform," said Ron Sartore, CEO of AgigA Tech. "This new evaluation system provides a simple platform for developers to evaluate how our AGIGARAM technology can improve the performance, cost and reliability of their end products."

Since 2007, AgigA Tech has focused on developing an innovative high-density, high-speed, battery-free non-volatile memory technology. As the inventor of the underlying technology and architecture of AGIGARAM, AgigA Tech has built up the strongest IP position in the industry. AgigA Tech has also pioneered the use of a battery-free power source based on ultracapacitor technology for this application. All AgigA Tech products utilize ultracapacitors that have gone through rigorous reliability and accelerated life testing at AgigA Tech's reliability test lab. AgigA Tech has been continuously testing ultracaps for over 3 years, amassing a significant amount of test data that is unmatched in the industry. The test lab runs 24 hours a day, 7 days a week, with multiple ultracap offerings from several manufacturers tested at varying operating temperatures and voltages. Based on this extensive test data, the most reliable ultracap products have been incorporated into the PowerGEM™ modules used with the AGIGARAM products, and are privately labeled as qualified through the AGIGACAP™ reliability program.

Availability

The AGIGA0006-000AXX Evaluation System will be available to select development partners later this quarter. Pricing is dependent on the system configuration, and is available upon request.

About AgigA Tech, Inc.

Headquartered in San Diego, California, AgigA Tech is a leading developer of high-speed, high-density, battery-free non-volatile memory solutions. The company's flagship AGIGARAM™ product family represents a new class of non-volatile

memory created to address the fundamental need for higher-density, higher-performance memory in enterprise-class applications. AGIGARAM integrates NAND Flash, DRAM and an ultracapacitor power source into an innovative, highly-reliable non-volatile memory subsystem that can deliver unlimited read/write performance at the fastest DRAM speeds, while also safely backing up all data when power is interrupted. AgigA Tech is a subsidiary of Cypress Semiconductor Corp. (Nasdaq: CY). The company's products are available worldwide through the Cypress sales force and its distributor partners. More information on the company is available at www.agigatech.com.

About Cypress

Cypress delivers high-performance, mixed-signal, programmable solutions that provide customers with rapid time-to-market and exceptional system value. Cypress offerings include the flagship PSoC® programmable system-on-chip families and derivatives such as PowerPSoC® solutions for high-voltage and LED lighting applications, CapSense® touch sensing and TrueTouch™ solutions for touchscreens. Cypress is the world leader in USB controllers, including the high-performance West Bridge® solution that enhances connectivity and performance in multimedia handsets. Cypress is also a leader in high-performance memories and programmable timing devices. Cypress serves numerous markets including consumer, mobile handsets, computation, data communications, automotive, industrial and military. Cypress trades on the Nasdaq Global Select Market under the ticker symbol CY. Visit Cypress online at www.cypress.com.

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