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AgigA Tech Announces Sampling of Industry's First DDR4 NVDIMM

AGIGARAM(R) DDR4 NVDIMM Sets a New Bar for Performance for Persistent Memory in Next Generation Server and Storage Platforms

SANTA CLARA, CA -- (Marketwired) -- 08/06/14 -- AgigA Tech, Inc., a subsidiary of Cypress Semiconductor Corp. (NASDAQ: CY) and a leading provider of high-speed, high-density, and battery-free nonvolatile memory solutions, today announced that it is now sampling the industry's first DDR4 Nonvolatile DIMM (NVDIMM) to key OEMs and development partners. The **AGIGARAM**[®] DDR4 NVDIMM has been designed to operate in the standard DIMM sockets of next-generation, Intel-based server platforms, providing a significant boost to I/O performance in a host of applications, including storage and database acceleration. AgigA Tech will show its new AGIGARAM DDR4 NVDIMM here at the Flash Memory Summit in the Storage Network Industry Association's (SNIA) booth number 808.

DDR4 is the latest evolution in DRAM technology, building upon previous generations with improved reliability, speed and power. With current data rates reaching 2,400 MT/s, DDR4 increases performance up to 50% over DDR3, while delivering a 20% reduction in operating voltage. With DDR4's additional power-saving features, total overall power savings versus DDR3 can be as much as 40%. The AGIGARAM DDR4 NVDIMM builds upon the success of the DDR3 NVDIMM products currently shipping to top-tier OEMs.

"AgigA is proud to achieve another industry-first milestone with the sampling of our AGIGARAM DDR4 NVDIMM," said Ron Sartore, president and CEO of AgigA Tech. "With our patented IP and design expertise, we have been working closely with our OEM customers and development partners to ensure a successful transition to DDR4."

About AGIGARAM DDR4 NVDIMM

AGIGARAM is a new class of nonvolatile memory developed to meet the need for higher-performance persistent memory for enterprise-class storage and server applications. By combining industry-standard DRAM and NAND Flash technology, AGIGARAM provides the low latency and nearly infinite endurance of DRAM, along with the nonvolatility of Flash. During normal operation, the AGIGARAM DDR4 NVDIMM appears to the host system as a standard JEDEC 288-pin Registered ECC DIMM. In the event of an unexpected power loss, the critical data residing in the DRAM is saved to onboard NAND Flash using a battery-free power source based on ultracapacitors. Or alternatively, the NVDIMM can also be powered over the JEDEC-defined 12V power pins on the DIMM interface. When system power is returned, the in-memory state of the DRAM at the time power was lost is restored from the Flash. The recovery time from a catastrophic power-loss event is almost immediate since the restore operation takes a matter of seconds and recharging the ultracapacitors takes only minutes. AGIGARAM is designed to integrate easily into the DIMM slots of next generation Intel-based server platforms, providing the fastest possible persistent memory for use cases such as write caching, metadata storage and other in-memory computing applications.

Availability

AGIGARAM DDR4 NVDIMM samples are available on a limited basis for development partners through AgigA Tech's Early Access Program (EAP). Please contact info@agigatech.com for more details.

About AgigA Tech, Inc.

Headquartered in San Diego, California, AgigA Tech is a leading developer of high-speed, high-density, and battery-free non-volatile memory solutions. The company's flagship AGIGARAM product family represents a new class of nonvolatile 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 nonvolatile 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. 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 1, PSoC 3, PSoC 4 and PSoC 5LP programmable system-on-chip families. Cypress is the world leader in capacitive user interface solutions including

CapSense touch sensing, TrueTouch[®] touchscreens, and trackpad solutions for notebook PCs and peripherals. Cypress is a world leader in USB controllers, which enhance connectivity and performance in a wide range of consumer and industrial products. Cypress is also the world leader in SRAM and nonvolatile RAM memories. Cypress serves numerous major 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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