



Everspin Technologies expands MRAM portfolio by introducing family of serial interface products

New serial bus products target smart metering, industrial control, automotive and printer applications

CHANDLER, Ariz. – Nov. 16, 2009 – Everspin Technologies is introducing the world's first serial interface magnetoresistive random access memory (MRAM) family of products. These high performance non-volatile memory products are designed to enhance systems using the increasingly popular Serial Peripheral Interface (SPI) bus now common on many microprocessors, microcontrollers and other integrated circuits.

"The market for high performance SPI memories is expansive and growing," said Bob Merritt, partner at Convergent Semiconductors. "Everspin's low power serial products will play a major role in providing new levels of performance and reliability to many systems, especially those requiring real-time data logging."

Everspin's new MR25H non-volatile serial MRAM family includes upward-compatible 256Kb, 512Kb and 1Mb products. These Everspin MRAM devices require no write delay, run at clock speeds as fast as 40 MHz and have unlimited endurance with more than 20 years data retention.

"The high performance and reliability of Everspin's MRAM technology are now available in a cost-effective family of serial MRAM products," said Dr. Saied Tehrani, Everspin's chief operating officer. "These products expand Everspin's current portfolio of parallel interface by-8 and by-16 products broadly used in storage, industrial automation, office equipment, gaming, computer and communications systems."

About the MR25H256, MR25H512 and MR25H10 MRAM devices

The MR25H256 (256Kb), MR25H512 (512Kb) and MR25H10 (1Mb) serial MRAM products operate from 2.7 to 3.6 volts while offering low standby and operating currents as well as a 3 uA (typical) sleep mode to further improve the system power consumption. They are byte-organized internally, containing 32KB, 64KB and 128KB of data respectively. Industry-standard serial SPI command codes and timing enable easy connection to existing MCU and system designs. The devices are housed in low profile 8-pin RoHS-compliant DFN packages that are pin-out and footprint compatible with serial EEPROM, Flash and FeRAM products in comparable DFN or SOIC packages.

Availability

All densities are available now in commercial (0°C to 70°C) and industrial (-40°C to 85°C) temperature grades. Please contact Everspin sales offices and distributors for pricing.

About Everspin Technologies

Everspin Technologies is the global leader in developing and manufacturing standalone and embedded magnetic-based memory (MRAM) and integrated magnetic sensors. Everspin launched its first commercial MRAM product as part of Freescale Semiconductor in 2006. A growing number of leading corporations have adopted Everspin MRAM to enable their most advanced products.

www.everspin.com

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