Serial SRAM devices boast 1 Mbit densities, 80 Mbps speeds and 5-V operation

Microchip Technology Inc. expanded its serial SRAM portfolio with four new devices that are said to feature the industry's largest densities and speeds. They also offer 5-V operation, which remains prevalent in automotive and industrial applications. These 512 Kb and 1 Mb SPI devices maintain the portfolio's low power consumption and small, 8-pin packages. Speeds of up to 80 Mbps are achieved via the quad-SPI, or SQI, protocol, providing the zero write-cycle times with near instantaneous data movement needed for offloading graphics, data buffering, data logging, displays, math, audio, video and other data-intensive functions. Two additional family members—the 23LCV512 and 23LCV1024—offer desirable cost-effective options for non-volatile, unlimited-endurance RAM, via battery backup. In fact, with their fast dual-SPI (SDI) throughput of 40 Mbps and low active and sleep currents, these serial NVSRAM devices feature high-speed operation without the high pin counts of parallel NVSRAM, and comparable power consumption to FRAM, all at a fraction of the price. This is beneficial for applications such as meters, black boxes and other data recorders, which require unlimited endurance or instantaneous writes along with non-volatile storage.

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888-624-7435, www.microchip.com [1]

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