



Micron Introduces Faster, Higher Capacity Solid-State Drives for NAND Flash-Based Notebooks

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BOISE, Idaho, Jan. 4, 2011 (GLOBE NEWSWIRE) -- Micron Technology, Inc. (Nasdaq:MU) today unveiled a new portfolio of the industry's most advanced RealSSD™ solid-state drives (SSDs) for the fast growing flash-based notebook market. A new breed of notebooks are entering the market that have lightweight construction, snappier system responsiveness and a longer lasting battery—all made possible because of the innovations in flash-based storage products.

"SSDs are bringing excitement back into personal computing," said [Dean Klein](#), vice president of memory system development at Micron. "Micron is accelerating this enthusiasm with our new RealSSD portfolio, providing even greater performance and higher capacities than our previous generation SSDs."

The [new portfolio](#) is the first SSD product line to incorporate Micron's 25-nanometer (nm) NAND flash technology, creating a broad portfolio of capacities ranging from 64-gigabyte (GB) to 512GB. The drives will be available in 1.8-inch and 2.5-inch form factors. As with its predecessor, the product line also supports the SATA 6Gb/s interface, which opens up the data path between the host processor and the SSD delivering improved overall system responsiveness including faster boot times and speedier application loads. The new drives reach read speeds up to 415 megabytes (MB)/second, which is 17 percent faster than Micron's previous generation drives. With write performance varying by capacity, the new 512GB drive achieves up to 260 MB/second write speeds, which is more than 20 percent faster than the fastest C300 drive. The new SSDs also provide benefits that desktops, workstations and industrial applications can take advantage of including low power consumption, lightweight construction and resistance to shock and vibration.

"At IDC we expect total portable PC SSD shipments to increase significantly every year for the next three years," said Jeff Janukowicz, research manager for Solid State Storage Technologies at IDC. "The use of leading-edge NAND technology and product innovations, such as in Micron's RealSSD drives continue to bring SSDs into the mainstream by enabling higher performance and lower power consumption in a more cost effective solution."

Micron is currently working with notebook manufacturers to qualify its new [RealSSD drives](#) under the C400 product name. With samples of the RealSSD C400 drives available now, Micron expects mass production to begin in February.

Bringing the drives to business customers and consumers, Crucial, a division of Micron, will begin selling the portfolio under the name, Crucial® m4 SSD. The Crucial m4 SSD product line is expected to be available online at [crucial.com](#) and through select global channel partners in the first quarter of 2011.

Micron Offering NAND Flash Design to System Solutions

As a NAND developer and manufacturer, Micron is in a unique position to apply proprietary management algorithms to its RealSSD portfolio that yield tremendous performance gains and maintain quality control. Micron continues to push NAND process geometries—the company is currently at 25nm with visibility into several more generations—which brings great benefits to solid-state storage applications including greater capacity and more cost-effective designs.

Relevant Links

There are other ways to stay up-to-date on Micron and Crucial news:

Micron

- Micron Innovations Blog: www.micronblogs.com
- Micron on Twitter: <http://twitter.com/microntechnews> and <http://twitter.com/realssd>
- Micron Pressroom: www.micron.com/media

Crucial

- Facebook: www.facebook.com/crucialmemory
- Twitter: www.twitter.com/crucialmemory
- YouTube™: www.youtube.com/crucialmemory

About Micron

Micron Technology, Inc., is one of the world's leading providers of advanced semiconductor solutions. Through its worldwide operations, Micron manufactures and markets a full range of DRAM, NAND and NOR flash memory, as well as other innovative memory technologies, packaging

solutions and semiconductor systems for use in leading-edge computing, consumer, networking, embedded and mobile products. Micron's common stock is traded on the NASDAQ under the MU symbol. To learn more about Micron Technology, Inc., visit www.micron.com.

The Micron Technology, Inc. logo is available at <http://www.globenewswire.com/newsroom/prs/?pkgid=6950>

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This press release contains forward-looking statements regarding the production of Micron's new C400 SSDs and the increase in PC SSD shipments over the next three years. Actual events or results may differ materially from those contained in the forward-looking statements. Please refer to the documents Micron files on a consolidated basis from time to time with the Securities and Exchange Commission, specifically Micron's most recent Form 10-K and Form 10-Q. These documents contain and identify important factors that could cause the actual results for Micron on a consolidated basis to differ materially from those contained in our forward-looking statements (see Certain Factors). Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance or achievements.

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