



Micron Introduces New Solid-State Drives for the Enterprise

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BOISE, Idaho, Aug 12, 2010 (GlobeNewswire via COMTEX News Network) -- Micron Technology, Inc. (Nasdaq:MU) today introduced the RealSSD P300 solid-state drive (SSD), bringing faster system performance and improved data integrity to enterprise environments. The RealSSD P300 drive features the SATA 6-gigabits per second (Gbps) interface, a first for the enterprise SSD market. The new P300 SSD delivers extraordinarily high steady-state input/output operations per second (IOPS), up to 44,000 reads and 16,000 writes--more than 15 times the write performance of competing SATA-based SSDs.

"The RealSSD P300 SSD is the fastest SATA-based drive on the market," 1 said Dean Klein, Micron vice president of Memory System Development. "The RealSSD P300 is able to do the work of multiple hard drives--outperforming a RAID of 12 hard drives in some cases." 2

The ever-expanding workload of today's enterprise environments requires the technology within to be able to withstand the rigors of data being constantly accessed, transferred and stored. The RealSSD P300 drive was designed specifically to address these requirements by using Micron's high-performance and high-endurance ONFI 2.1 34-nanometer (nm) single-level cell (SLC) NAND technology, ensuring product longevity and added reliability in today's demanding enterprise environments. Combining Micron's high-quality NAND and proprietary firmware design enables the P300 SSD to deliver the highest SATA drive endurance capability in the industry--3.5 petabytes total bytes written for the 200GB drive which is equal to writing approximately 1.9 terabytes per day, every day for five years. 3

"Aside from its raw performance, the RealSSD P300 product was also designed to reach industry leading steady-state capabilities, even with the write cache disabled. With the P300, users no longer have to choose between IOPs or throughput and maximum data resiliency--they can have both in the same drive," added Klein.

Micron worked with Calypso Systems, Inc., a leading industry benchmarking firm to test the P300 SSD. "The RealSSD P300 SSD once again shows Micron seizing an industry leading position, delivering tremendous performance gains relative to the competition," said Eden Kim, chief executive officer of Calypso Systems. "By taking advantage of the SATA 6Gb/s, the P300 showed impressive small block 4K Random Write IOPs that were as much as 2.5 to 16 times faster than competing drives it was tested against."

Available in 50, 100 and 200-gigabyte (GB) capacities, the RealSSD P300 drive is targeted primarily at enterprise applications including blade and conventional servers, storage arrays and high-end workstations. Designed to fit the standard 2.5-inch form factor, the P300 SSD achieves a read throughput speed of up to 360MB/s and a write throughput speed of up to 275MB/s. To learn more about the product features of the P300 SSD, visit http://www.micron.com/products/solid_state_storage/enterprise_ssd.html.

Availability

Micron is sampling the RealSSD P300 SSD with customers now and plans to enter mass production in October.

Relevant Links

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

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

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.

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This press release contains forward-looking statements regarding the production of Micron's RealSSD P300 product family. 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.

1According to Calypso Systems, Inc. benchmarks

2Micron internal testing shows that the P300 sustained random write IOPs of 16,000 exceeds the sustained random write IOPs of a RAID of twelve 15K 2.5" enterprise SAS drives, which achieved 5,300 IOPs. Testing was performed comparing a single 100GB P300 drive against 12 SAS drives in a standard 12-bay Intel(R) server storage appliance.

3Represents P300 200 GB SSD theoretical endurance capability only. Micron does not warrant that the P300 200GB SSD will write such amount of data over any period of time. Micron's products, including its P300 SSDs, are warranted to meet Micron's product datasheet specifications only.

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SOURCE: Micron Technology, Inc.

CONTACT: Micron Technology, Inc.

Kirstin Bordner

(208) 368-5487

kbordner@micron.com

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