



Micron Introduces 2-Gigabit Low-Power DDR2 Memory for Smartphones and Tablet PCs

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BOISE, Idaho, Apr 20, 2010 (GlobeNewswire via COMTEX News Network) -- Micron Technology, Inc. (Nasdaq:MU) today announced that it is now sampling a monolithic 2-gigabit (Gb) low-power DDR2 (LPDDR2) memory device designed to provide mobile products, such as smartphones and tablet PCs, with improved battery life and speedier system performance.

The new 2Gb LPDDR2 can be used as a stand-alone device or in combination with Micron's NAND for high-capacity multichip package (MCP) or package-on-package (POP) solutions. By stacking four of these 2Gb LPDDR2 memory devices, Micron can achieve an ultra high-density, 8Gb-based solution. As today's smartphones and tablet PCs become more feature rich and application intensive, more memory is required to keep the system operating at peak performance.

"LPDDR2 today is targeted at the high-end handset and tablet PC markets, and this new 2Gb design demonstrates Micron's commitment to serving those markets," said Eric Spanneut, director of mobile memory marketing at Micron. "In the next few years as we start to see crossover from LPDDR1 to LPDDR2 in the value-driven handset market, Micron's LPDDR2 portfolio is perfectly designed to address their needs as well."

The power and performance benefits of LPDDR2 make it a popular mobile memory solution for ARM-based systems. ARM is a market leader in providing processor IP and other key building blocks that enable a spectrum of mobile devices to combine exceptional performance with long battery life. Micron works closely with the ARM community to design LPDDR2 memory solutions into their mobile offerings, providing a complete package to the handset vendors.

"LPDDR2 memory is fast becoming an essential IP ingredient for a whole range of low-power applications being developed by ARM partners," said Rob Kaye, senior fabric marketing manager, ARM. "ARM Memory Controller and System IP have been verified alongside this latest LPDDR2 from Micron, enabling ARM partners to rapidly integrate this LPDDR2 memory into their designs."

LPDDR2 Product Features & Benefits

Micron's LPDDR2 product family has the low-power consumption, high performance, and wide temperature ranges for greater mobility and longer battery life. Specifically, Micron's LPDDR2 family:

- Operates at 1.2-volts, reducing the device's memory power consumption as much as 50 percent when compared to LPDDR1
- Delivers data transferring speeds of up to 1066 Mb per second, boosting the operating capability of mobile applications
- Supports advanced mechanisms for managing power usage, allowing for portions of the array to be powered down when not required
- Offers a broad temperature range -- 40 degrees to +105 degrees Celsius -- maintaining performance in extreme environments

Availability

Micron expects to be in mass production with the 2Gb LPDDR2 in the third quarter of 2010.

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>
- 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 DRAMs, NAND flash memory, other semiconductor components, and memory modules for use in leading-edge computing, consumer, networking, 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 new 2Gb LPDDR2. 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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