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Samsung high-capacity Nand solution

Ilse Jurriën : September 13th 2006 - 22:08 CET



Samsung high-capacity Nand solution : Samsung Electronics Co., Ltd., the world leader in advanced memory technology, announced today that it is now shipping 1 and 2 gigabyte samples of moviNand - an embedded combination of Nand flash memory, a multimedia card (MMC) controller and onboard firmware - to leading manufacturers of mobile

products. "moviNand solves a dilemma faced by many of our mobile customers – how to put a large amount of Nand flash in a small space behind a standardized, high speed serial interface," said Don Barnetson, Director, Flash Marketing, Samsung Semiconductor. MoviNand satisfies all of the concerns of mobile device designers with its high-speed, high capacity and extremely small form factor.



Samsung moviNand - Multimedia card

MoviNand is smaller than competing devices being marketed and takes advantage of its high-performance MMC (multimedia card) interface to provide the fastest mobile data processing possible at 52 megabytes per second. As an embedded memory card, Samsung's moviNand makes it unnecessary to have an external memory card slot in mobile devices. Another

option is to use the embedded flash with a removable MMC card to enable a virtually unlimited amount of higher storage capacity. Samsung said mass production of moviNand in 1 and 2 GB densities starts this month. The company will further add 512MB and 4GB densities by the end of this year.

Nand capacity - MP3 player & Media-player cell phone

"As consumers look for increasing volumes of embedded storage in MP3 players and media-player cell phones, products that offer large Nand capacity while simplifying Nand interfaces will see a significant increase in demand," said Jim Handy, Director of Nonvolatile Memory Services at Semico Research. Semico sees a very large potential market for such devices including moviNand, a market it estimates will grow as large as

\$4 billion worldwide by 2010.

About Samsung Electronics

Samsung Electronics Co., Ltd. is a global leader in semiconductor, telecommunication, digital media and digital convergence technologies with 2005 parent company sales of US\$56.7 billion and net income of US\$7.5 billion. Employing approximately 128,000 people in over 120 offices in 57 countries, the company consists of five main business units: Digital Appliance Business, Digital Media Business, LCD Business, Semiconductor Business and Telecommunication Network Business. Recognized as one of the fastest growing global brands, Samsung Electronics is a leading producer of digital TVs, memory chips, mobile phones and TFT-LCDs. MoviNand was devised through cooperative work of Samsung's memory division and its System LSI division.