

# Toshiba Launches Industry's First 512 GB SSD

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(PhysOrg.com) -- Toshiba announced today the expansion of their line up of NAND-flash-based solid state drives (SSD) with the industry's first 2.5-inch 512 GB SSD and a broad family of fast read/write SSD's based on 43 nanometer Multi-Level Cell NAND.

In addition to the 2.5-inch, 512GB drive, the 43nm NAND SSD family also includes capacities of 64GB, 128GB, and 256GB, offered in 1.8-inch or 2.5-inch drive enclosures or as SSD Flash Modules.

These 2nd generation SSD's offer increased capacity and performance for notebook computers. They utilize an advanced MLC controller that

achieves higher read/write speeds, parallel data transfers and wear leveling to optimize performance, reliability and endurance.

These drives enable improved system responsiveness with a maximum sequential read speed of 240MBps and maximum sequential write speed of 200MBps. This faster response time enhances overall computing experience and allows for faster boot and application loading. The drives also offer AES data encryption to prevent unauthorized data access.

Toshiba as well as many market analysts expect SSD's to begin significant deployment in the market in 2009. With further growth, in the notebook market, expected around 10% by 2010 and 25% by 2012.

The new drives provide a high level of performance and endurance for use in notebook computers, gaming and home entertainment systems. These SSD's will be showcased at International CES 2009 in Las Vegas, Nevada from January 8 - 11, 2009. Mass production will begin in the second quarter of 2009 (April to June).

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