

Toshiba Introduces New High Areal Density 2.5-inch 750GB HDDs

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(PhysOrg.com) -- Toshiba Corporation today announced two additions to its 5,400 RPM line of 2.5-inch HDDs featuring industry-leading storage capacities. In the standard 9.5 millimeter-high, two-platter design, the MK7559GSXP HDD incorporates both the industry's highest areal density and capacity at 750GB. Sample shipments will start from April, 2010.

The MK7559GSXP HDD features an [areal density](#) of 839.1Mbit/mm², making it ideal for mobile applications in which capacity is key, including [notebook](#) computers and external HDDs. This HDD is well-suited for devices that value high capacity in a smaller footprint with

improved acoustic performance and lower power operation compared to larger form factor HDDs. Those applications include all-in-one desktops, televisions and set top boxes.

Toshiba also introduced a new three-platter 12.5-millimeter-high platform with the MK1059GSM with 1TB of storage. This capacity point was predominantly supported by larger form factor 3.5-inch HDDs until the introduction of high-end 2.5-inch solutions, providing low-power, space-saving opportunities to system manufacturers looking to differentiate or update their products.

The MK7559GSXP [energy consumption](#) efficiency is about 14% less than the previous generation (MK6465GSX, 640GB). These products also adhere to Toshiba's environmental initiatives in their use of [power efficiency](#) techniques and components that reduce reliance on harmful chemicals, materials and compounds.

The new products offerings expand Toshiba's mobile HDD product line into the highest-capacity segment of the 2.5-inch HDD market and represent the company's first mobile HDD platforms developed with the combined engineering resources from the integration of Fujitsu's HDD business, which Toshiba acquired last fall.

Source: Toshiba

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