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## **TOSHIBA ADDS 60GB MODEL TO INDUSTRY-LEADING AUTOMOTIVE HARD DISK DRIVE LINE**

*New HDD Signals Growing Need for High-Capacity Automotive-Class Storage  
for In-Car Entertainment, Information and Navigation Applications*

**IRVINE, Calif., May 13, 2008** – Toshiba Storage Device Division (SDD), the industry pioneer in small form factor hard disk drives (HDDs), today expanded its automotive-grade HDD line to include a 60GB<sup>1</sup> offering, delivering a new capacity point to automotive manufacturers and aftermarket solution providers looking for high-capacity storage for sophisticated navigation, media center and connected auto solutions in the new digital car.

Toshiba's sixth-generation 60GB automotive HDD (**MK6050GAC**) joins Toshiba's existing automotive-grade HDD series that includes both 40GB and 80GB models. All models feature the improved altitude specification of 5,500 meters, pushing the boundaries of in-dash system design to meet the operating extremes of today's driving environment.

"Automotive electronics designers are seeking robust storage solutions to address the next generation of infotainment in the digital car," said Scott Wright, product manager, Toshiba Storage Device Division. "The new 60GB model comes in response to our customers' storage requirements and provides greater flexibility for OEM and aftermarket designers to integrate high-capacity solutions for sophisticated in-car infotainment systems."

Toshiba also has reached the milestone of more than eight million automotive-grade HDDs shipped into OEM and aftermarket solutions since the company introduced its first automotive-grade HDD in 2001, highlighting strong demand and accelerated adoption of

innovative storage solutions by the automotive industry world-wide. The company's leadership in automotive HDDs draws from more than 10 years of experience working with the automotive industry to develop road-ready storage solutions. According to Techno Systems Research (TSR) Co., Ltd, Toshiba commands 84 percent market share in the automotive-class HDD segment.<sup>2</sup>

Toshiba will showcase its industry-leading automotive class HDD line at the Telematics Detroit 2008 show at the Rock Financial Showplace in Novi, MI, May 21-22. In addition, Wright will speak on a panel titled "Exploit the Future Capabilities of Connect In-Car Device Integration" on May 21 at 4:15 p.m. in the Ruby Room to offer insight on the role of storage in the development of the digital car.

Samples of Toshiba's new automotive-grade HDDs will be available later this year to automotive OEMs and aftermarket suppliers. Interested design engineers can visit [www.toshibastorage.com](http://www.toshibastorage.com) for more information on Toshiba's line of industry-leading 40GB, 60GB and 80GB automotive-grade HDDs.

***Product Specifications***

<b>Model no.</b>	<b>MK6050GAC</b>	<b>MK6050GACE</b>
<b>Capacity</b>	60GB <sup>1</sup>	60GB <sup>1</sup>
<b>No. of platters</b>	1	1
<b>No. of heads</b>	2	2
<b>Average seek time</b>	16 msec	16 msec
<b>Interface</b>	ATA-7	ATA-7
<b>Data transfer rate</b>	100 MB/s	100 MB/s
<b>Rotational speed</b>	4,200 rpm	4,200 rpm
<b>External dimensions</b>	69.85 x 100.0 x 9.5	69.85 x 100.0 x 9.5
<b>Weight</b>	98g (max.)	98g (max.)
<b>Energy consumption efficiency</b>	0.01 W/GB	0.01 W/GB
<b>Temperature</b>	Operating: -30° - +85° C Non-operating: -40° - +95° C	Operating: -20° - +70° C Non-operating: -40° - +95° C
<b>Altitude</b>	Operating: -300 - +5,500m Non-operating: -300 - +12,000m	Operating: -300 - +5,500m Non-operating: -300 - +12,000m
<b>Vibration</b>	Operating: 29.4m/s <sup>2</sup> , 3G (5-50Hz) 19.6m/s <sup>2</sup> , 2G (50-200Hz) 9.8m/s <sup>2</sup> , 1G (200-500Hz) Non-operating: 49m/s <sup>2</sup> , 5G (10-500Hz)	Operating: 29.4m/s <sup>2</sup> , 3G (5-50Hz) 19.6m/s <sup>2</sup> , 2G (50-200Hz) 9.8m/s <sup>2</sup> , 1G (200-500Hz) Non-operating: 49m/s <sup>2</sup> , 5G (10-500Hz)
<b>Shock</b>	Operating: 2,940m/s <sup>2</sup> , 300g (2.0ms, 1/2 sine) 980m/s <sup>2</sup> , 100g (11ms, 1/2 sine) Non-Operating: 7,840m/s <sup>2</sup> , 800g (1.0ms, 1/2 sine)	Operating: 2,940m/s <sup>2</sup> , 300g (2.0ms, 1/2 sine) 980m/s <sup>2</sup> , 100g (11ms, 1/2 sine) Non-Operating: 7,840m/s <sup>2</sup> , 800g (1.0ms, 1/2 sine)

***About Toshiba Storage Device Division***

Toshiba SDD, a division of Toshiba America Information Systems, Inc., leads the market in the development, design and manufacturing of small form factor 2.5-inch and 1.8-inch hard disk drives. Toshiba SDD markets high-quality peripherals to original equipment manufacturers, value-added resellers, value-added dealers, systems integrators, distributors and retailers in the United States. Inherent in the Toshiba storage family are the high-quality engineering and manufacturing capabilities that have established Toshiba products as worldwide leaders. For more information, visit [www.toshibastorage.com](http://www.toshibastorage.com).

***About Toshiba America Information Systems, Inc. (TAIS)***

Headquartered in Irvine, Calif., TAIS is comprised of four business units: Digital Products Division, Imaging Systems Division, Storage Device Division and Telecommunication Systems Division. Together, these divisions provide mobile products and solutions, including industry-leading portable computers; projectors; imaging products for the security, medical and manufacturing markets; storage products for automotive, computer and consumer electronics applications; and telephony equipment and associated applications.

TAIS provides sales, marketing and services for its wide range of information products in the United States and Latin America. TAIS is an independent operating company owned by Toshiba America, Inc., a subsidiary of Toshiba Corporation, which is a global leader in high technology and integrated manufacturing of electrical and electronic components, products and systems, as well as major infrastructure systems. Toshiba has more than 191,000 employees worldwide and annual sales of over U.S. \$60 billion (FY2006). For more information on Toshiba's leading innovations, visit the company's Web site at [www.toshiba.com](http://www.toshiba.com).

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1. One Gigabyte (1 GB) means  $10^9 = 1,000,000,000$  bytes using powers of 10. A computer operating system, however, reports storage capacity using powers of 2 for the definition of  $1\text{ GB} = 2^{30} = 1,073,741,824$  bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the computer includes one or more pre-installed operating systems, pre-installed software applications or media content. Actual formatted capacity may vary.
2. Data by TSR, dated February 15, 2008.

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