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TOSHIBA ANNOUNCES 6TB ENTERPRISE CAPACITY HDD MODELS
The MG04 series delivers impressive capacity and offers Toshiba persistent write cache technology

IRVINE, Calif. — December 17, 2014 — The Storage Products Business Unit of Toshiba America Electronic Components, Inc., a committed technology leader, announces the addition of 6TB[1] SATA and SAS models to its MG04 series of 3.5-inch form factor enterprise capacity class of hard disk drives (HDD). New SAS interface models provide the benefits of 12Gbit/s[2] SAS transfer rate and enhanced power management features for seamless integration with the latest generation of data center infrastructure. The MG04 series is specifically designed for midline and nearline business critical workloads.

The new MG04 series 6TB models offer a 50 percent[3] increase in max capacity from prior MG03 generation 4TB models and a 30 percent[4] increase in sustained data rate. These enterprise HDDs support both industry-standard 4K native and 512e Advanced Format sector technologies for optimum performance in the latest generation servers and storage systems. Emulated 512e Advanced Format sector technology performs best in legacy applications requiring 512 sector lengths using aligned-write environments.

Both the 6TB MG04ACA and MG04SCA 12Gbit/s models offer Toshiba persistent write cache technologies, designed to help protect against data loss in the

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[1] Definition of capacity: Toshiba defines a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 230 = 1,073,741,824 bytes and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

[2] Read and write speed may vary depending on the host device, read and write conditions, and file size.

[3] 6TB max capacity in MG04 Series is 50 percent greater than 4TB max capacity in MG03 Series.

[4] MG04 Series 6TB model maximum sustained transfer rate of 205 MiB/s is 30 percent higher than MG03 Series 4TB model maximum sustained transfer rate of 157MiB/s.

event of sudden power loss, while also helping to improve performance and data reliability. Model options supporting SAS and SATA commands to enable sanitize "instant" cryptographic erase (SIE) are also available.

Spinning at 7,200 rotations per minute (RPM), the MG04ACA and MG04SCA deliver nearline-class seek performance to improve application response times. At 6TB, the higher capacity per spindle saves rack space and reduces the footprint and operational burden of business-critical servers and storage systems to help optimize total cost of ownership in high-density scale-out environments. The 6TB models provide 50 percent better power efficiency (watts per terabyte) than the previous 4TB drive generation.

"Our customers expect to benefit from the increased capacity, efficiency and performance made possible by the latest industry-standard interface and long sector technologies," said Scott Wright, director of HDD product marketing at Toshiba Storage Products Business Unit. "These additions to the MG04 series deliver an impressive 6TB capacity and continue to provide the benefits of Toshiba's persistent write cache technology to improve performance for business critical server and storage systems."

The 6TB MG04ACA SATA and MG04SCA 12Gbit/s SAS models will begin sampling to OEM customers in Q1 2015. For more information on Toshiba's line of industry-leading SSDs, HDDs and SSHDs, visit www.toshibastorage.com. To connect with Toshiba Storage, visit the corporate blog at http://storage.toshiba.com/corporateblog/ and follow @ToshibaStorage on Twitter.

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About Toshiba Storage Products
Toshiba Corporation and its affiliates offer one-of-a-kind global storage solutions, offering hard disk drives (HDDs), solid state drives (SSDs) and NAND flash memories — technologies that drive a wide range of consumer electronics, computer and automotive applications, as well as enterprise solutions for the global marketplace. Toshiba is a leader in the development, design and manufacture of mobile, consumer and enterprise hard disk drives and solid state drives. In North America, the Storage Products Business Unit of Toshiba America Electronic Components, Inc., markets high-quality storage peripherals to original equipment manufacturers, original design manufacturers, value-added resellers, value-added dealers, systems integrators and distributors worldwide. Inherent in the Toshiba storage family are the high-quality engineering and manufacturing capabilities that

have established Toshiba products as innovation leaders worldwide. For more information, visit www.toshibastorage.com.

About Toshiba Corp. and Toshiba America Electronic Components, Inc. (TAEC)
Through proven commitment, lasting relationships and advanced, reliable electronic components, Toshiba enables its customers to create market-leading designs. Toshiba is the heartbeat within product breakthroughs from OEMs, ODMs, CMs, VARs, distributors and fabless chip companies worldwide. A committed electronic components leader, Toshiba designs and manufactures high-quality flash memory-based storage solutions, solid state drives (SSDs), hard disk drives (HDDs), discrete devices, advanced materials, medical tubes, custom SoCs/ASICs, imaging products, microcontrollers and wireless components that make possible today's leading smartphones, tablets, MP3 players, cameras, medical devices, automotive electronics, enterprise solutions and more.

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