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TOSHIBA ANNOUNCES NEXT GENERATION HIGH-CAPACITY ENTERPRISE HDD

The MG04 series is the industry's first enterprise capacity model supporting Advanced Format and persistent write cache technology[1]

IRVINE, Calif. — February 12, 2014 — The Storage Products Business Unit of Toshiba America Electronic Components, Inc., a committed technology leader, announces the next generation of high-capacity 3.5-inch form factor enterprise hard disk drive (HDD) – the MG04 series. Engineered for midline and nearline business critical workloads, the MG04 series is the industry's first enterprise capacity category models supporting industry standard 4K Advanced Format sector technologies as well as persistent write cache technology, which improves both performance and reliability. The series is engineered for the high-capacity demands of mid-tier servers and cloud application workloads and for capacity-optimized data center storage systems that benefit from high capacity per spindle.

With a 6Gb/s[2] interface model, the SAS MG04SCA and SATA MG04ACA series are available in the industry standard 3.5-inch form factor and are available in capacities of up to 5TB[3]. Spinning at 7,200 rotations per minute (RPM), the MG04 series delivers high application performance, while the high capacity per spindle saves rack space and reduces the footprint and operational burden of business critical servers and storage systems. The series also provides, as an option, persistent write cache technologies that help protect against data-loss in the event of sudden power

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[1] Persistent write cache technology is only available as an option.

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

[3] 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 = 2^{30} = 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.

loss, while also helping to improve performance and data reliability. Models supporting sanitize instant erase (SIE) option are available.

"With the MG04 series enterprise capacity disk drives, our customers will benefit from the increased storage capacity and performance made possible by the latest industry-standard long sector technologies," said Scott Wright, product marketing manager at Toshiba Storage Products Business Unit. "We understand the importance of peace of mind when it comes to data integrity, and persistent cache technology included in this series not only helps protect against data-loss but also helps to improve performance and data reliability."

Customer samples of the MG04 series will begin shipping in February 2014. 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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Key Features

The Toshiba MG04 enterprise class HDD series delivers massive 5TB capacity using industry standard 4K sector length technologies, models supporting either Advanced Format 512e emulation of legacy sector lengths, and the latest industry standard 4K native sector length technologies for optimum performance.

- Up to 5TB capacity 7,200 RPM performance
- SAS or SATA interface
- Toshiba's persistent write cache technology for optimum performance and data reliability (option)
- Business critical performance, workload rating and data reliability

Additional information on the Toshiba MG04 Enterprise Class Hard Disk Drive series can be found by visiting www.storage.toshiba.com/enterprise

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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