

Toshiba Announces Updated 4TB, 6TB and 8TB Enterprise Capacity HDD Models

The MG08-D Series delivers reliability and power efficiency to enterprise and business-critical applications workloads

TAIPEI – Taiwan, October 27th, 2020 - Toshiba Electronic Components Taiwan Corporation (“Toshiba”) announces the Toshiba MG08-D Series HDDs, designed for a wide variety of business-critical



applications, such as email and CRM (Customer Resource Management), data analysis for business intelligence, small-medium business servers, and data-retention and compliance archiving.

Toshiba’s 7th generation air mechanical design provides better power efficiency and a lower component count to deliver better total cost of ownership than its earlier generation models. The new series features 4TB, 6TB and 8TB models, in both SATA and SAS interfaces. The new 4TB¹ models are available in 512e, 4Kn and 512n sector models, and the 6TB and 8TB models are available in 512e and 4Kn sector models, assuring plug-and-play interoperability for applications using prior 4TB models.

“Toshiba’s new MG08-D Series delivers new levels of reliability and power efficiency to enterprise and business-critical server and storage platforms,” said Takayoshi Tokushima, Senior Manager of Marketing Division at Asia Strategic Alliance, Toshiba Storage Products. “Toshiba’s 7th generation conventional mechanical design utilizes Conventional Magnetic Recording technology to deliver plug-and-play versatility that is compatible with the widest range of applications and operating system environments.”

The MG08-D Series provides many industry-standard features, including 7200rpm performance, a 3.5-inch² form factor, choice of SATA 6Gbit/s or 12Gbit/s SAS Interface³, and a 550TB a year workload⁴ rating. Compared with Toshiba’s current line-up of 4-6-8TB models, the new 4TB model achieves the broadest

range of benefits from the MG08 generation of technology advances. For example, compared with the previous model⁵, the new 4TB provides an approximately 23% better maximum sustained transfer speed of 243MiB/s and doubles the cache buffer size to 256MiB. It also improves the calculated reliability specification from 1.4 million hours MTTF (AFR 0.63%) to 2.0 million hours MTTF (AFR 0.43%)⁶, and reduces active idle power consumption to 4.07W. The 2.0 million hour MTTF is also supported for the new 6TB and 8TB MG08-D Series models.

The Toshiba MG08-D Series 4TB, 6TB and 8TB models are expected to be generally available in 1CQ 2021. For more information on the new products, visit: <http://toshiba.semicon-storage.com/ap-en/storage/product/data-center-enterprise/enterprise-capacity.html>

For more information on Toshiba's full line of HDD storage products, please visit: <https://toshiba.semicon-storage.com/ap-en/product/storage-products.html>

###

[1] Definition of capacity: One terabyte (TB) = one trillion bytes, but storage capacity actually available may vary depending on operating environment and formatting. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

[2] "3.5-inch" refers to an HDD form factor. It does not indicate drive's physical size.

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

[4] Workload is a measure of data throughout the year, and it is defined as the amount of data written, read or verified by commands from the host system.

[5] Comparison with the new MG08ADA400E (SATA 512e) and prior generation MG04ACA400E (SATA 512e).

[6] MTTF (Mean Time to Failure) and AFR (Annualized Failure Rate) assume 8760 h/year power on hours (24 hours a day, 7 days a week), up to 550TB/year total data transfers, and an average HDA surface temperature of 40°C or lower. Use at case HDA surface temperatures above 40°C may degrade product reliability and reduce the warranty period.

* Information in this document, including product prices and specifications, content of services and contact information, is current and believed to be accurate as on the date of the announcement but is subject to change without prior notice.

* Company names, product names, and service names may be trademarks of their respective companies.

About Toshiba Electronic Components Taiwan Corporation (TET)

Toshiba Electronic Components Taiwan Corporation is responsible for the sales and marketing promotion and support of Toshiba hard disk drives and Toshiba External HDDs in Taiwan, China and Southeast Asian countries. TET is the best partner to Enterprise server, storage and notebook computers, and its mission is to offer the best service and products embodying the highest quality and most leading-edge technology. For more information, visit us at:

<http://toshiba.semicon-storage.com/ap-en/product/storage-products.html>

About Toshiba Electronics Asia (Singapore)

Toshiba Electronics Asia (Singapore) (“TEA”) is under Toshiba Semiconductor & Storage Products Company, a subsidiary of Toshiba Corporation. TEA was founded in 1990, and is responsible for the sales, marketing and services for Toshiba’s wide range of storage solutions in Asia Pacific, which includes the Canvio Portable External Hard Drives and Internal Hard Drives. TEA is the best partner to consumers and enterprises, and its mission is to offer the best services and products that embody the highest quality and cutting-edge technology. To find out more about TEA, visit:

<https://toshiba.semicon-storage.com/ap-en/storage.html>

Media Inquiries:

Kris Wu (Ms.)

TET Marketing Group

Tel: +886-2-2508-9988 #619

E-mail: kris2.wu@toshiba.co.jp

Ginny Sim (Ms.)

TEA HDD Division Marketing

Tel: +65 6278 5252

E-mail: ginny1.shen@toshiba.co.jp