

Toshiba Announces MG10-D Series of Enterprise HDD with Capacities up to 10TB

TAIPEI – Taiwan, June 25, 2024 - Toshiba Electronic Components Taiwan Corporation (Toshiba) announces the release of its MG10-D Series, an air-based family of conventional magnetic recording (CMR) HDD supporting SAS and SATA interfaces and capacities of up to 10TB^[1]. Crafted with precision engineering and over 50 years of Toshiba experience, the MG10-D Series delivers improved performance and power efficiency over prior generations. With sanitize instant erase (SIE) and self-encrypting drive (SED) options^[2], valuable data is safeguarded by a storage solution known for its robust performance and unwavering dependability.

Built for the increasing application demands of enterprise server and storage solutions, the MG10-D Series delivers a new level of performance. For example, compared with the previous model^[3], the new 10TB MG10ADA10TE provides an approximately 13% better maximum sustained transfer speed of 268MiB/s^[4] and doubles the cache buffer size to 512MiB^[5]. It also reduces power consumption in active idle mode by approximately 21%, to 5.74W. Architected to deliver improved total cost of ownership (TCO), the new MG10-D Series fits seamlessly into a wide variety of business-critical applications, such as email, data analytics, data retention, and surveillance.

“Toshiba’s MG10-D Series delivers exceptional performance to meet the demands of growing business critical applications. The new cutting-edge design of the MG10-D Series is engineered for sustainable enterprise environments and fits seamlessly into existing infrastructure reducing TCO” said Noriaki Katakura, Division President, Storage Products Division, Toshiba Electronics Components Taiwan Corporation.

The MG10-D Series is a 5-disk CMR standard 3.5-inch^[6], 7200 RPM air platform. Available capacities are 2TB, 4TB, 6TB, 8TB, and 10TB for both SAS and SATA. SATA is also available in a 1TB drive. The series supports 6Gb/s SATA or 12Gb/s SAS interface options in Advanced format 512e and 4Kn^[7]. A 512n option is available on the 1TB, 2TB, 4TB offerings to support legacy systems with native 512 byte block sizes. Designed for 24x7 enterprise reliability, the MG10-D Series have a workload rating of 550TB, an AFR of 0.44% and an MTTF/MTBF^[8] of 2M hours.



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The MG10-D Series began sample shipping in June 2024.



MG10-D Series

Capacity	Interface	Format	Model Number	Optional Security		
10 TB	SATA-3.3	512e/4Kn ^[7]	MG10ADA10TE	SIE/SED ^[2]		
8 TB			MG10ADA800E			
6 TB			MG10ADA600E			
4 TB			MG10ADA400E			
2 TB			MG10ADA200E			
4 TB		512n	MG10ADA400N			
2 TB			MG10ADA200N			
1 TB			MG10ADA100N			
10 TB			SAS-3.0		512e/4Kn ^[7]	MG10SDA10TE
8 TB						MG10SDA800E
6 TB	MG10SDA600E					
4 TB	MG10SDA400E					
2 TB	MG10SDA200E					
4 TB	512n	MG10SDA400N				
2 TB		MG10SDA200N				

For more information on the new products, please visit:

<https://toshiba.semicon-storage.com/ap-en/storage/product/data-center-enterprise/cloud-scale-capacity/articles/mg10d.html>

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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>

To receive more about our storage solutions, please follow [@ToshibaStorage.Asia](https://www.instagram.com/ToshibaStorage.Asia) on Instagram.

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[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] The HDDs which have any optional security function may not be available in the countries where the use of such HDDs is prohibited or limited due to export control and local regulations.

[3] Comparison between the SATA interface 512e model "MG10ADA10TE" and the previous generation "MG06ACA10TE."

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

[5] A mebibyte (MiB) is 220, or 1,048,576 bytes.

[6] "3.5-inch" mean the form factor of HDDs. They do not indicate drive's physical size.

[7] Default format is 512e. Convertible to 4kn format.

[8] MTTF/MTBF (Mean Time to Failure/Mean Time Between Failure) is not a guarantee or estimate the product life; it is a statistical value related to mean failure rates for a large number of products which may not accurately reflect actual operation. The actual product life of the product may vary.

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

* Company names, product names, and service names mentioned herein 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 Electronic Devices & Storage Corporation, 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:

Debra Lin (Ms.)

TET Marketing Group



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Tel: +886-2-2508-9988 #621
E-mail: debra1.lin@toshiba.co.jp

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