

## Toshiba Announces 16TB MG08 Series Hard Disk Drives

*Industry's largest capacity 16TB hard disk drives deliver new level of storage density and improved power efficiency.*

**TAIPEI – Taiwan, January 8th, 2019** - Toshiba Electronic Components Taiwan Corporation (“Toshiba”) announces MG08 Series, the industry’s largest capacity 16TB<sup>[1][2]</sup> Conventional Magnetic Recording (CMR) HDD. With 33% more capacity than today’s widely adopted 12TB drives, and 14% more capacity than prior 14TB models, MG08 16TB drives are compatible with the widest range of applications and operating systems, and adapted to mixed random and sequential read and write workloads in both cloud and traditional datacentre environments.

The MG08 Series is Toshiba’s second-generation helium-sealed HDD family, and eighth-generation Enterprise Capacity HDD family. Toshiba has delivered its industry-leading 16TB capacity and



improved power efficiency by utilizing the 9-disk helium design, introduced last year in 14TB models, and its own advanced precision laser welding process to ensure the helium remains sealed inside the drive case. The MG08 features 7,200rpm performance, a 550TB per year workload rating<sup>[3]</sup>, a 2.5

million-hour MTTF<sup>[4]</sup>, a 512Mib cache buffer<sup>[5]</sup>, and a choice of SATA and SAS interfaces—all in an industry-standard, 3.5-inch<sup>[6]</sup> form factor.

The MG08 Series further illustrates Toshiba’s commitment to advancing HDD design to meet the evolving needs for storage devices suited for use in cloud-scale servers and storage infrastructure. As data growth continues at an explosive pace, the industry-leading 16TB CMR capacity will help cloud-scale service providers and storage solutions designers to achieve higher storage densities for cloud, hybrid-cloud and on-premises rack-scale storage. With its improved power efficiency and 16TB capacity, the MG08 Series will help lower the TCO of storage infrastructure designed for applications such as data-protection, big data aggregation, content serving and digital archiving.

“Toshiba’s new 16TB MG08 Series delivers new levels of storage capacity and density while delivering improved power efficiency for our cloud-scale and storage solutions customers. Only high-density HDD technology can achieve our customers’ critical TCO objectives at a cost of pennies per GB,” said Takayoshi Tokushima, Senior Director of Storage Products Marketing Group at Toshiba Electronic Components Taiwan Corporation.

Shipments of samples of 16TB MG08 Series drives to customers will begin sequentially at the end of this month. For more on the new 16TB MG08 Series, please visit:

<https://toshiba.semicon-storage.com/ap-en/product/storage-products/enterprise-hdd/mg08.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] Source: Toshiba Electronic Components Taiwan Corporation, as of January 8, 2019.

[2] 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.

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

[4] MTTF (Mean Time to Failure) is not a guarantee or estimate of 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. Actual operating life of the product may be different from the MTTF.

[5] A mebibyte (MiB) means  $2^{20}$ , or 1,048,576 bytes.

[6] "3.5-inch" means the form factor of HDDs. It does not indicate a drive's physical size.

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

\* Images displayed in the banners are for illustration purposes only and do not show the actual products. The images are merely intended to help illustrate the function of the products.

\* 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>

**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