



Toshiba Announces 20TB MG10 Series Hard Disk Drives

Düsseldorf, Germany, 18 October 2022 — Toshiba Electronics Europe GmbH announces the MG10 Series of massive capacity 20TB^[1] HDDs with conventional magnetic recording (CMR). The 20TB MG10 Series has a 10-disk helium-sealed design that leverages Toshiba's innovative Flux Control Microwave Assisted Magnetic Recording (FC-MAMR™) technology to boost storage capabilities.

With 11.1% more capacity than Toshiba's prior 18TB model, 20TB MG10 Series HDDs are compatible with the widest range of applications and operating systems, and are adapted to mixed random and sequential read and write workloads in both cloud-scale and traditional data-centre use cases. These drives feature 7,200rpm performance, a 550TB per year workload rating^[2], and a choice of SATA and SAS interfaces — all in a power-efficient helium-sealed, industry-standard 3.5-inch^[3] form factor.

The 20TB MG10 Series further illustrates Toshiba's commitment to advancing HDD design to

meet evolving needs for storage devices in cloud-scale servers, as well as object and file storage infrastructure. With its improved power efficiency and increased capacity, the 20TB MG10 Series helps cloud-scale infrastructure to advance storage density, thereby reducing capital expenditure (CAPEX) and improving total cost of ownership (TCO). As data growth continues at an explosive pace, the advanced 20TB MG10 Series HDDs with FC-MAMR™ technology will help cloud-scale service providers and storage solution designers to achieve higher storage densities for cloud, hybrid-cloud and on-premises rack-scale storage.

Sample shipments of 20TB MG10 Series HDD to customers are expected to start in the fourth calendar quarter of this year.

For more information on the new products, please visit:

<https://www.toshiba-storage.com/products/enterprise-capacity-hard-drive-mg-series/>

For more information on Toshiba's full line of HDD storage products, please visit:

<https://www.toshiba-storage.com/>.

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Notes:

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

[3] 3.5-inch means the form factor of HDDs. It does not indicate a drive's physical size.

* FC-MAMR™ is a trademark of Toshiba Electronic Devices & Storage Corporation.

* 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 Electronics Europe GmbH

[Toshiba Electronics Europe GmbH](#) (TEE) is the European electronic components business of [Toshiba Electronic Devices and Storage Corporation](#) ("Toshiba"). TEE offers European consumers and businesses a wide variety of innovative hard disk drive (HDD) products plus semiconductor solutions for automotive, industrial, IoT, motion control, telecoms, networking, consumer and white goods applications. Next to HDDs, the company's broad portfolio encompasses power semiconductors and other discrete devices ranging from diodes to logic ICs, optical semiconductors as well as microcontrollers and application specific standard products (ASSPs) amongst others.

TEE has its headquarters in Düsseldorf, Germany, and branch offices in France, Italy, Spain, Sweden and the United

Kingdom providing marketing, sales and logistic services. The company's president is Mr. Tomoaki Kumagai.

For more company information visit TEE's website at www.toshiba.semicon-storage.com and <https://www.toshiba-storage.com/>

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