



Toshiba Unveils New 18TB MG09 Series Hard Disk Drives

9-disk Helium-sealed design plus innovations in energy-assisted recording allow heightened levels of storage density and power efficiency to be reached

Düsseldorf, Germany, 18th February 2021 – Toshiba Electronics Europe GmbH (TEE) has announced the introduction of its new MG09 Series, which comprises the company's first HDD models to feature energy-assisted magnetic recording. The MG09 Series is based on Toshiba's proprietary third-generation, 9-disk Helium-sealed design and incorporates game-changing Flux Control - Microwave Assisted Magnetic Recording (FC-MAMR) technology. Thanks to these advances, Conventional Magnetic Recording (CMR) density has been raised to 2TB^[1] per disk, thereby achieving a total capacity of 18TB.

With 12.5% more capacity than the previous 16TB models, the 18TB MG09 Series CMR drives are compatible with the widest range of applications and operating systems. These drives are adapted to deal with mixed random and sequential read/write workloads for both cloud-scale and traditional data centre implementations. They deliver 7,200rpm performance, with a 550TB per year workload rating^[2] and a choice of either SATA or SAS interfaces. All this has been packed into a compact industry-standard, power-efficient, Helium-sealed 3.5-inch^[3] form factor being supported.

The MG09 Series further demonstrates Toshiba's commitment to the continued progression of HDD design, and the company's ability to meet constantly evolving market needs for storage devices in cloud-scale servers, as well as Object and File storage infrastructure deployments in general. Through enhanced power efficiency figures and industry-leading capacity levels, these drives are set to enable heightened storage

densities to be attained in cloud, hybrid-cloud and on-premises rack-scale operations. Reductions in the necessary CapEx will thereby be witnessed, so the total cost of ownership (TCO) can be kept to a minimum.

“With the new high-capacity power-efficient MG09 Series HDDs, Toshiba is providing real value to our cost-conscious cloud-scale and storage solutions customers. Leveraging FC-MAMR technology, these drives address critical TCO objectives, lowering unit cost to per GB substantially,” states Larry Martinez-Palomo, General Manager Storage Products Division, Toshiba Electronics Europe GmbH.

Sample shipments of 18TB MG09 Series HDDs to customers are expected to start sequentially at the end of March 2021.

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 HDD storage product line up:

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

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Notes:

[1] Definition of capacity: One terabyte (TB) = one trillion bytes, but storage capacity 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 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.

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

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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