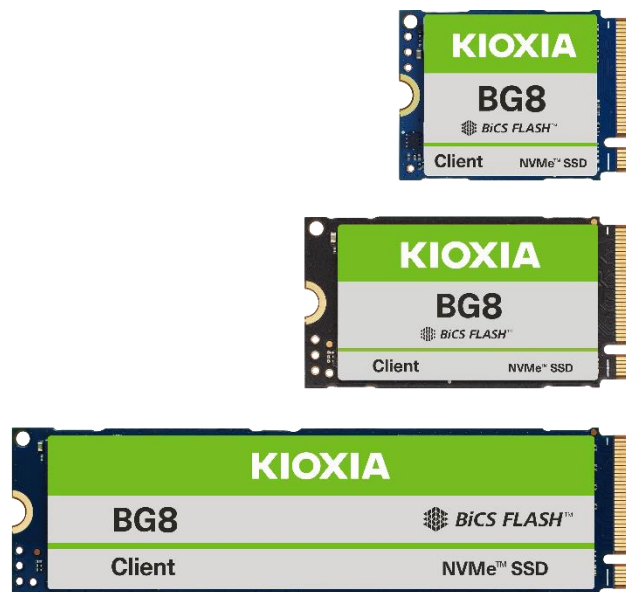




## Press Release

### KIOXIA Introduces New Mainstream BG8 Series SSDs for PC OEMs

Next-Generation Client SSD Lineup Brings PCIe 5.0 Speed to Mainstream Applications



**Germany, Düsseldorf, 23 April 2026** – [KIOXIA Europe GmbH](#) today announced the KIOXIA BG8 Series solid state drives (SSDs), the next evolution of its client SSD lineup designed for PC OEM customers. Delivering PCIe 5.0 speed to the mainstream segment, the KIOXIA BG8 Series combines next-generation capability with efficient operation and broad design flexibility for slim laptops, commercial and consumer notebooks, and desktop systems.



Built with KIOXIA's BiCS FLASH™ generation 8 TLC-based 3D flash memory, the KIOXIA BG8 Series advances both performance and power efficiency. Compared to the previous generation<sup>(1)</sup>, the KIOXIA BG8 Series achieves up to 47 % higher sequential read, 67 % higher sequential write, 44 % higher random read, and 30 % higher random write performance.

With sequential read speed of up to 10,300 MB/s and sequential write speed of up to 10,000 MB/s, along with random read and write performance reaching up to 1.4 million and 1.3 million IOPS respectively, the KIOXIA BG8 Series enables responsive system performance across a wide range of client workloads.

The DRAM-less KIOXIA BG8 Series supports a Host Memory Buffer (HMB) feature, leveraging host system memory to help balance performance, power consumption, and cost. Designed with flexibility in mind, the KIOXIA BG8 Series is available in multiple M.2 form factors – Type 2230, Type 2242, and Type 2280 - supporting a broad range of system designs and mounting requirements.

“By bringing PCIe 5.0 speed to mainstream applications, the KIOXIA BG8 Series delivers a new level of performance, power efficiency, and design flexibility. Built with system designers and computing users in mind,” says Axel Stoermann, VP & Chief Technology Officer at KIOXIA Europe GmbH, the new SSDs are offered in multiple form factors and supported through the HMB feature for system optimization.”

Additional features include:

- PCIe 5.0 (Gen5 x4) and NVMe 2.0d compliant
- Self-Encrypting Drive (SED) support based on TCG Opal version 2.02
- Capacities of 512 GB, 1024 GB, and 2048 GB
- Optimized for slim and mainstream client PCs

The KIOXIA BG8 Series is currently sampling to select PC OEM customers, with PC shipments equipped with the SSD expected to begin from the second quarter of 2026 onwards.



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## Notes:

1: Compared to KIOXIA BG7 Series SSDs

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Definition of SSD capacity: KIOXIA Corporation defines a kilobyte (KB) as 1,000 bytes, a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes, a terabyte (TB) as 1,000,000,000,000 bytes, and a kibibyte (KiB) is 1,024 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB =  $2^{30}$  bytes = 1,073,741,824 bytes and 1TB =  $2^{40}$  bytes = 1,099,511,627,776 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, and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

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

IOPS: Input Output Per Second (or the number of I/O operations per second)

Availability of the SED model lineup may vary by region

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

## About KIOXIA Europe GmbH

KIOXIA Europe GmbH is the European-based subsidiary of KIOXIA Corporation, a leading worldwide supplier of flash memory and solid-state drives (SSDs). From the invention of NAND flash memory to today's renowned BiCS FLASH™ 3D flash memory KIOXIA continues to pioneer innovative memory solutions and services that enrich people's lives and expand society's horizons. The company's innovative BiCS FLASH™ 3D flash memory technology is shaping the future of storage in high-density applications, including advanced smartphones, PCs, automotive systems, data centers and generative AI systems.

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