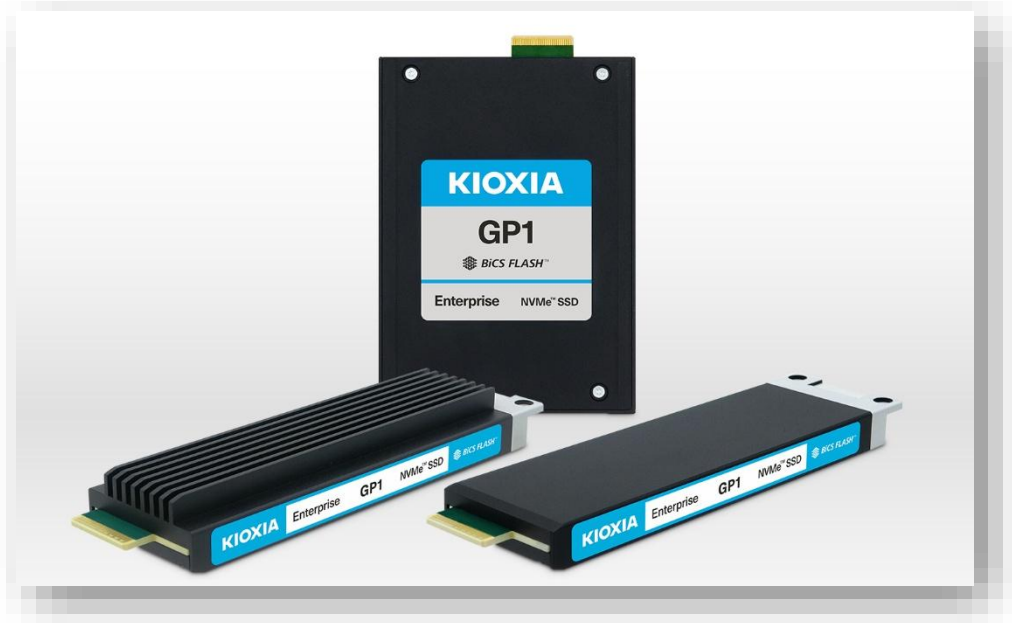


Press Release

KIOXIA Announces KIOXIA GP1 Series Super High IOPS SSDs for AI Applications

PCIe 6.0 SSD Achieves 10 Million IOPS Using KIOXIA XL-FLASH™ Flash Memory



Germany, Düsseldorf, 4 August 2026 – [KIOXIA Europe GmbH](#) today announced the KIOXIA GP1 Series PCIe 6.0 NVMe SSDs, the first product in its KIOXIA GP Series of Super High IOPS SSDs optimised for GPU direct access. Building on the KIOXIA GP Series technology introduced earlier this year^[1], the KIOXIA GP1 Series delivers up to 10 million random read IOPS^[2] using KIOXIA XL-FLASH™ generation 2 flash memory, enabling flash-based memory extension to help address the growing performance and memory demands of AI infrastructure. Evaluation samples will be available to select customers by the end of 2026^[3].



The KIOXIA GP1 Series will be showcased at [FMS: the Future of Memory and Storage](#), taking place from 4 to 6 August 6 in Santa Clara, California.

The KIOXIA GP1 Series is designed to support emerging AI storage architectures, which extend High Bandwidth Memory (HBM) as a fast flash memory media-based tier. This approach lets AI systems access larger datasets at a significantly lower cost than adding more HBM^[4], while improving GPU utilisation.

KIOXIA GP1 Series SSDs leverage KIOXIA XL-FLASH low-latency, high-performance flash memory to deliver significantly higher IOPS^[4], finer-grained 512-byte data access. The architecture is designed to scale from today's 10 million random read IOPS to future generations targeting up to 100 million IOPS.

“The growing performance and memory demands of AI infrastructure require a broader memory hierarchy that can keep GPUs supplied with data efficiently,” said Paul Rowan, Vice President & Chief Marketing Officer at KIOXIA Europe GmbH. “The KIOXIA GP1 Series enables flash-based memory extension and GPU direct access, helping to reduce latency and CPU overhead while increasing throughput for AI, HPC and data analytics workloads.”

Key features of the KIOXIA GP1 Series include:

- Designed to PCIe 6.0 and NVMe 2.2 specifications
- Utilises KIOXIA XL-FLASH low-latency flash memory
- Up to 10 million random read IOPS at a 512-byte block size^[2]

- Available in E3.S, E1.S 9.5 mm/15mm form factors, with cold-plate liquid cooling capability in E3.S and E1.S 9.5mm form factors (all form factors support traditional air-cooled environments)
- Up to 50 DWPD endurance^[5]

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Notes:

1: KIOXIA Announces New SSD Model Optimized for AI GPU-Initiated Workloads

(Link: <https://europe.kioxia.com/en-europe/business/news/2026/20260316-2.html>)

2: Read and write speed may vary depending on various factors such as host devices, software (drivers, OS etc.), and read/write conditions.

3: These samples are for the functional check purpose only and the specifications of the samples may differ in mass production.

4: As of July 28, 2026, based on KIOXIA survey.

5: DWPD: Drive Writes Per Day. One full drive write per day means the drive can be written and re-written to full capacity once a day every day under the specified workload for the specified lifetime. Actual results may vary due to system configuration, usage and other factors.

Definition of capacity: KIOXIA Corporation 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 = 2³⁰ bytes = 1,073,741,824 bytes and 1TB = 2⁴⁰ 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.

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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 centres and generative AI systems.

Visit our [KIOXIA website](https://www.kioxia.com/eu)

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