



## Press Release

### Latest KIOXIA SSDs Achieve PCIe 5.0 and NVMe 2.0 Compliance

*KIOXIA CM7 Series, CD8P Series NVMe Drives Deliver High Performance and Reliability for Enterprise and Cloud Data Centers*



**Germany, Düsseldorf, 19 December 2023** – [KIOXIA Europe GmbH](https://www.kioxia.com/europe) today announced that its CM7 Series and CD8P Series NVMe Express™ (NVMe™) SSDs have passed certification testing for PCI Express® (PCIe®) 5.0 specification and NVMe 2.0 specification compliance.



Developed by PCI-SIG®, the PCIe 5.0 specification is an upgrade that enables twice the data transfer speed and bandwidth versus the PCIe 4.0 specification – resulting in KIOXIA CM7 Series SSD performance up to 14,000 Megabyte/s read throughput.

PCIe 5.0 tests were conducted at PCI-SIG compliance workshops against PCI-SIG maintained systems, along with other leading manufacturers of PCIe products.

KIOXIA CM7 Series and CD8P Series drives can now be found on the PCI-SIG [Integrator's List](#). Achieving compliance certification during these workshops provides users with confidence that KIOXIA drives meet the rigorous PCIe 5.0 specification requirements.

KIOXIA CM7 Series and CD8P Series drives have been added to The University of New Hampshire® InterOperability Laboratory's (UNH-IOL) official [Integrator's List](#). To be considered for inclusion on the list, technologies must undergo conformance testing performed by the UNH-IOL through laboratory tests or during an NVMe Plugfest. Successful completion of this testing provides a reasonable level of confidence that the product being tested will function properly in NVMe enabled systems and NVM Express over Fabrics (NVMe-oF™) environments.

“Rigorous testing processes give users confidence in the products they deploy in their data centers,” said Kerry Munson, Operations Manager, Datacenter Technologies for UNH-IOL. “KIOXIA NVMe SSDs have passed the stringent testing requirements that the UNH-IOL demands in order to be included in our NVMe Integrator’s List.”

KIOXIA CM7 Series enterprise SSDs are available in 2.5-inch and E3.S form factors in read-intensive and mixed-use endurance, with capacities of up to 30.72 terabytes (TB) (2.5-inch only). The company’s CD8P Series data center SSDs come in 2.5-inch and E3.S form factors in read-intensive and mixed-use endurance, with capacities up to 30.72TB (2.5-inch only).



"We are pleased to bring KIOXIA CM7 Series and CD8P Series drives with PCIe 5.0 and NVMe 2.0 compliance to the market, especially to enterprise and data center users. At KIOXIA, we are committed to delivering the cutting-edge technology and performance-maximizing standards that define our present SSD Products and will define our future SSD products ," said Paul Rowan, Vice President SSD Marketing and Engineering, KIOXIA Europe GmbH.

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**Notes:**

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 =  $2^{30}$  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 various factors such as host devices, software (drivers, OS etc.), and read/write conditions.

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**About KIOXIA Europe GmbH**

KIOXIA Europe GmbH (formerly Toshiba Memory 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 breakthrough 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, SSDs, automotive and data centers.

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