

Press Release

KIOXIA Wins Prestigious Nimbus Innovation Award in the ‘Best SSD Innovation’ category for its Optical Interface SSD at CloudFest 2025



Germany, Düsseldorf, 28 March 2025 – During [CloudFest 2025](#), the world’s leading annual cloud computing and internet infrastructure conference held in Germany, KIOXIA Europe GmbH was delighted to win the prestigious Nimbus Innovation Award in the ‘Best SSD Innovation’ category for its [Optical Interface SSD](#). The technology replaces conventional wiring with optical wiring enabling data center engineers to increase the physical distance between devices while maintaining energy efficiency and high signal quality.

“This is a significant achievement that will further strengthen our brand and reinforce our leadership,” said Jürgen Ahaus, General Manager SSD Engineering at KIOXIA Europe, on receiving the Nimbus Innovation Award.

Paul Rowan, Chief Marketing Officer & Vice President at KIOXIA Europe, added: “KIOXIA invented flash memory, a storage technology fundamental to modern AI systems. Our innovative high-capacity drives offer the storage efficiency and scalability essential for managing large datasets and supporting AI applications.”

Visitors to the stand were also introduced to KIOXIA’s new [LC9 Series](#) 122.88 terabyte (TB*) capacity NVMe SSD in a 2.5-inch* form factor – a game changer to the industry that addresses the growing storage demands of AI workloads, offering ultra-high capacity, efficient performance, and scalability for applications such as large language models (LLMs), generative AI, and vector databases.

Plus, KIOXIA presented its [AiSAQ™ technology](#) in an academy session, highlighting its ability to enhance retrieval augmented generation (RAG) workflows by eliminating the need for DRAM, enabling scalable performance, and optimising vector database searches directly on SSDs.

Another key highlight during the festival was a demo of the NVMe-optimised servers from co-exhibitors primeLine Solutions GmbH. “Our longstanding collaboration with KIOXIA has empowered us to incorporate top-tier SSD memory solutions in custom-built servers and workstations, ensuring unmatched reliability, speed and efficiency,” said Petros Jossifidis, CEO at primeLine Solutions. “KIOXIA’s innovative storage technology enhances our ability to craft personalised systems for our customers.”

KIOXIA’s system partners Microchip Technology Inc. and AIC Inc. demonstrated the AIC SB102-HK storage server, equipped with a Microchip Host Bus Adapter (HBA Ultra 1200p-16i) and 5 hot-swappable KIOXIA CD8 NVMe SSDs featuring TCG OPAL, to illustrate the simplicity and speed with which integrators can secure data center and enterprise environments.

During CloudFest, KIOXIA delivered a lightning talk covering the latest advancements in storage innovation designed to support heavy AI workloads. In addition, KIOXIA gave two insightful keynotes - one on advanced NAND Flash technology and the other introducing the company’s innovative optical SSD technology. KIOXIA also hosted an academy session with primeLine Solutions to share insights on accelerating modern AI processes and addressing security challenges.

Planning for CloudFest 2026 is already underway, and KIOXIA is excited to build on the success of this year's event.

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Notes

*Definition of capacity: KIOXIA defines 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.

*2.5-inch indicates the form factor of the SSD and not its physical size.

About KIOXIA

KIOXIA is a world leader in memory solutions, dedicated to the development, production and sale of flash memory and solid-state drives (SSDs). In April 2017, its predecessor Toshiba Memory was spun off from Toshiba Corporation, the company that invented NAND flash memory in 1987. KIOXIA is committed to uplifting the world with “memory” by offering products, services and systems that create choice for customers and memory-based value for society. KIOXIA's innovative 3D flash memory technology, BiCS FLASH™, is shaping the future of storage in high-density applications, including advanced smartphones, PCs, automotive systems, data centers and generative AI systems.

Visit our [KIOXIA website](#)

Contact details for publication:

KIOXIA Europe GmbH, Hansaallee 181, 40549 Düsseldorf, Germany

Tel: +49 (0)211 368 77-0

E-mail: KIE-support@kioxia.com

Contact details for editorial enquiries:

Lena Hoffmann, KIOXIA Europe GmbH

Tel: +49 (0) 211 36877 382

E-mail: lena1.hoffmann@kioxia.com

Issued by:

Birgit Schöniger, Publitek

Tel: +49 (0)172 617 8431

E-mail: birgit.schoeniger@publitek.com

Web: www.publitek.com

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