



Press Release

KIOXIA First to Launch Data Center NVMe E3.S SSDs on Hewlett Packard Enterprise Systems

CD7 Series EDSFF E3.S Form Factor Drives Now Shipping on Select HPE Servers and Storage



Düsseldorf, Germany, 16 May 2023 – [KIOXIA Europe GmbH](#) today announced that its lineup of CD7 Series Enterprise and Datacenter Standard Form Factor (EDSFF) E3.S Data Center NVMe™ SSDs are first to ship^[1] on servers and storage from Hewlett Packard Enterprise (HPE).

[The industry's first EDSFF drives designed with PCIe® 5.0 technology](#), KIOXIA CD7 E3.S SSDs increase flash storage density per drive for optimized power efficiency and rack consolidation^[2]. HPE ProLiant Gen11 servers, HPE Alletra 4000 data storage servers and the HPE Synergy 480 Gen11 Compute Module are enabled with the latest PCIe 5.0 interface, enabling up to twice the performance over PCIe 4.0, and come with optionally equipped EDSFF E3.S drive bays.

As a natural evolution of the 2.5-inch form factor^[3], EDSFF E3.S is designed for the needs of high performance flash storage. E3.S enables more dense, efficient deployments in the same rack unit compared to 2.5-inch drives, while improving cooling and thermal characteristics and raising capacities by up to 1.5 – 2x.

“HPE is pleased to work with KIOXIA to offer new CD7 Series EDSFF E3 SSDs to our customers, bringing high performance to our latest generation server and storage product lines,” said Jim Jackson, executive vice president and chief marketing officer, Hewlett Packard Enterprise. “Together, the two companies are focused on continuing to innovate and deliver solutions that improve application performance and efficiency benefits, while lowering TCO.”

Available in capacities from 1,920 - 7,680 gigabytes (GB), KIOXIA CD7 Series SSDs support PCIe 5.0 and NVMe 1.4 specifications, conform to the EDSFF E3.S specification and feature read-intensive 1 DWPD endurance.

Paul Rowan, Vice President SSD Marketing and Engineering, KIOXIA Europe GmbH said, "Delivering Technology leading SSD's with greater performance, reliability and value through our enhanced SSD products is our core focus. It underlies our commitment to partners like HPE, enabling high-performance systems while utilising EDSFF and PCIe 5.0 technologies."

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Notes:

[1]: As of May 16, 2023, based on publicly available information

[2]: As of October 25, 2021, based on industry survey of publicly available information

[3]: Compared to 2.5-inch form factor SSDs.

DWPD: Drive Write(s) 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 = 2^{30} bits = 1,073,741,824 bits, 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.

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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™, 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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