KIOXIA

Press Release

KIOXIA Delivers PCIe 4.0 Performance to Everyday PC Users

New KIOXIA BG5 Series Provides Mobility with High Performance

Düsseldorf, Germany, 16 November 2021 – KIOXIA Europe GmbH today announced that it has bolstered its lineup of PCIe 4.0 solid state drives (SSDs) with the addition of the KIOXIA BG5 Series. Designed to bring a suitable balance of performance, cost and power to everyday gamers and PC users, the KIOXIA BG5 Series is built with a PCIe64 GT/s interface (Gen4x4 lanes) and accelerated by the company's fifth-generation BiCS FLASH 3D flash memory technology.

As a Virtual Multi-LUN (VML) enabled client SSD, the KIOXIA BG5 Series unlocks back-end flash performance while maintaining affordability - making it an especially attractive option for a wide range of commercial and consumer notebooks and desktops. KIOXIA BG5 SSDs also support the latest matured Host Memory Buffer (HMB) technology, thereby realizing finely optimized DRAM-less devices. The KIOXIA BG5 SSDs are supplied in compact M.2 2230 single-sided, thermally optimized form factors, enabling mobility and work-from-home lifestyles. M.2 2280 single-sided form factor versions are also available.

The KIOXIA BG5 Series is available in storage capacities of 256, 512 and 1024 gigabytes (GB).

Key features include:

- Up to 3,500 MB/s sequential read and 2,900 MB/s sequential write
- Up to 500,000 IOPS random read and 450,000 IOPS random write
- Support for the latest TCG Pyrite and Opal standards, as well as end-to-end data protection, ensures data is secure whether at home or in the office[1].
- Forward-looking support for the NVMe 1.4 feature set and basic management command over System Management Bus (SMBus)
- Power Loss Notification (PLN) signal support to protect data against forced shutdowns

The KIOXIA BG5 Series is now sampling to key industry partners and customers.

Notes

[1] Availability of security/encryption options may vary by region.

* Definition of capacity: KIOXIA 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 = 1,073,741,824 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, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

*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 (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 flash memory to today's breakthrough BiCS FLASH, KIOXIA continues to pioneer cutting-edge memory solutions and services that enrich people's lives and expand society's horizons. The company's innovative 3D flash memory technology, BiCS FLASH, is shaping the future of storage in high-density applications, including advanced smartphones, PCs, SSDs, automotive and data centers.

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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
E-mail: birgit.schoeniger@publitek.com
Web: www.publitek.com