

## Press Release

### KIOXIA Releases 2TB microSDXC Memory Card



Düsseldorf, Germany, 20 December 2022 – [KIOXIA Europe GmbH](#), a world leader in memory solutions, today announced that it has started mass production of the 2 terabyte (TB) microSDXC memory card, a breakthrough for smartphone owners, content creators and on-the-go gamers. With enhanced performance and capacity, EXCERIA PLUS G2 2TB microSDXC memory cards are here to put less limits on what users can record and store<sup>[1]</sup>.

By leveraging proprietary manufacturing technology including its innovative BiCS FLASH™ 3D flash memory and an in-house designed controller, KIOXIA has successfully manufactured a 2TB microSDXC UHS-I memory card. Though the SD Association's SDXC specification has supported memory cards up to 2TB for over a decade, KIOXIA accomplished this challenge by stacking sixteen 1 terabit dies of 3D flash memory while maintaining the specification's maximum thickness of 0.8 mm.

With read speed up to 100 MB/s <sup>[2]</sup> and write speed up to 90 MB/s <sup>[2]</sup>, EXCERIA PLUS G2 2TB microSDXC memory cards meet UHS Speed Class 3 (U3) <sup>[3]</sup>, Application Class 1 (A1) <sup>[4]</sup> and Video Speed Class 30 (V30) <sup>[3]</sup>.

The 2TB capacity allows users to record over 41 hours of video (100Mbps)<sup>[5]</sup>, making them suited for high-capacity data recording applications like action cameras.

“These new, enhanced cards can become a sought-after option by many smartphone owners, content creators, dashcam and video bloggers, and on-the-go gamers alike,” says Jamie Stitt, General Manager B2C Sales & Marketing, KIOXIA Europe GmbH. “We are pleased to offer extra performance and capacity through these new EXCERIA PLUS G2 2TB microSDXC cards.”

Market introduction of EXCERIA PLUS G2 2TB microSDXC memory cards is scheduled to begin in the coming quarter.

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Notes:

[1] Operation is not warranted on all devices. Please be sure to check the user’s manual of your host device for product compatibility.

[2] 1 MB/s is calculated as 1,000,000 bytes/s. These values are the best values obtained in a specific test environment at KIOXIA Corporation and KIOXIA Corporation warrant neither read nor write speeds in individual devices. Read and write speed may vary depending on a device used and file size read or written. The write speed is lower than the read speed. The data transfer speed in legacy SD interface is lower than the speed in UHS-I interface.

[3] Speed classes indicate the results under the test conditions specified by SD Association.

[4] Application Performance Class is based on the result measured under the conditions specified by SD Association.

[5] Recording time: The actual recording time will vary depending on your device, resolution and compression ratio. Calculated as 1Mbps = 1,000,000 bps.

Capacity is based on installed flash memory and not user available memory as part of the memory is used for management functions. About usable capacity (available user area), please check each product page (1GB is calculated as 1,073,741,824 bytes).

SD memory cards are consumables and have a finite product life as represented by the number of write cycles and other parameters. The actual product life of a SD memory card may be reduced, depending on usage conditions.

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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  
Email: [KIE-support@kioxia.com](mailto:KIE-support@kioxia.com)

**Contact details for editorial enquiries:**

Lena Hoffmann, KIOXIA Europe GmbH  
Tel: +49 (0) 211 36877 382  
Email: [lena1.hoffmann@kioxia.com](mailto:lena1.hoffmann@kioxia.com)

**Issued by:**

Birgit Schöniger, Publitek  
Tel: +49 (0)4181 968098-13  
E-mail: [birgit.schoeniger@publitek.com](mailto:birgit.schoeniger@publitek.com)  
Web: [www.publitek.com](http://www.publitek.com)