

Press Release

UFS Ver. 4.0 Embedded Flash Memory Devices for Automotive Applications from KIOXIA Achieve Automotive SPICE CL2 Certification



Düsseldorf, Germany, 4 December 2024 – [KIOXIA Europe GmbH](#), today announced that its Universal Flash Storage¹ (UFS) Ver. 4.0 embedded flash memory devices designed for automotive applications have received Automotive SPICE[®] (ASPICE) Capacity Level 2 (CL2) certification. KIOXIA is the first company² to be awarded this distinction for automotive grade UFS 4.0.

Automotive SPICE (Software Process Improvement and Capability dEtermination), based on the ISO/IEC 33000 series of standards, is an internationally recognized framework for assessing and improving software development processes, specifically tailored to the automotive industry. Achieving ASPICE CL2 certification signifies that KIOXIA has implemented structured processes for project management and software development, ensuring consistent quality and traceability.



This certification is a testament to KIOXIA's capability to meet the stringent software development and quality standards that automotive manufacturers and Tier 1 suppliers demand in automotive grade UFS Vers. 4.0 devices, further solidifying its leadership in the embedded memory market for automotive applications.

New, advanced features and functionalities have been included in UFS Ver. 4.0 to address demanding automotive application requirements. KIOXIA's higher performing UFS devices deliver fast embedded storage transfer speeds in a small package size and are targeted to a variety of next-generation automotive applications, including infotainment, integrated cockpit system, ADAS³ and autonomous driving. The improved performance⁴ of UFS products from KIOXIA enable these applications to take advantage of 5G's connectivity benefits, leading to faster system startup times and a better user experience.

This milestone underscores KIOXIA's relentless pursuit of industry-recognized certifications, reflecting its dedication to maintaining the highest standards of quality, security, and innovation throughout its operations.

###

Notes:

1: Universal Flash Storage (UFS) is a product category for a class of embedded memory products built to the JEDEC UFS standard specification. Due to its serial interface, UFS supports full duplexing, which enables both concurrent reading and writing between the host processor and UFS device.

2: As of December, 2024. KIOXIA Survey.

3: Advanced Driving Assistant System

4: Compared to previous generation devices

The following trademarks, service and/or company names – Automotive SPICE - are not applied, registered, created and/or owned by KIOXIA Europe GmbH or by affiliated KIOXIA group companies. However, they may be applied, registered, created and/or owned by third parties in various jurisdictions and, therefore, protected against unauthorised use. All other company names, product names and service names may be trademarks of their respective companies.



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.

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)4181 968098-13
E-mail: birgit.schoeniger@publitek.com
Web: www.publitek.com