

IAR Systems fully support GigaDevice's automotive-grade MCUs

Uppsala, Sweden – January 5, 2023 – IAR Systems®, world leader in software and services for embedded development, and GigaDevice, a leading supplier of semiconductor devices, jointly announce the extended support of the latest release of IAR Embedded Workbench for Arm® 9.32.1 for GigaDevice's GD32 MCU series. This includes the latest released GD32A503 family, GigaDevice's automotive-grade microcontrollers based on the Cortex®-M33 core.

The GD32A503 MCUs adopt an advanced automotive electronics process technology platform, which follows the design concept and production standards of automotive applications. The microcontroller family meets the high reliability and stability requirements of vehicles and can be widely used in various automotive applications including body control modules, automotive lighting systems, smart cockpit systems, and many other motor or power applications. The GD32A503 devices are also suitable for several advanced driver-assistance systems (ADAS).

The GD32A503 series is in the same line as industrial products in terms of development tools and supporting software, achieving maximum compatibility and reuse, which can effectively save development time and reduce development difficulty. Software developers can realize automotive-grade projects by using the existing rich MCU ecosystem, which will continue to leverage the advantages of Arm technology and promote the popularization in the field of automotive electronics.

IAR Embedded Workbench® for Arm is a complete development toolchain for GD32 MCU, including a highly optimizing compiler and advanced debugging functions. With the help of code analysis tools C-STAT and C-RUN, developers can find potential problems in the code earlier and improve code quality. IAR Embedded Workbench for Arm is also available in a functional safety version certified by TÜV SÜD and complies with the requirements of ISO 26262.

To meet growing customer demand, the latest version 9.32.1 of IAR Embedded Workbench for Arm also provides developers with Visual Studio Code build and debug extensions which can be downloaded by Visual Studio Code Marketplace.

Eric Jin, Product Marketing Director at GigaDevice, said: "We are very pleased to continue strengthening our cooperation with IAR Systems. With a diverse product portfolio and an extensive development ecosystem, GigaDevice's GD32 MCUs are serving industry-leading customers worldwide. This new version of IAR Embedded Workbench® for Arm added comprehensive support for the GD32A503 series, enabling automotive software developers to efficiently and easily optimize and debug their code, to create more competitive products and solutions for automotive applications."

Company News

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Kiyo Uemura, Area Vice President APAC of IAR Systems, said: "IAR Systems and GigaDevice have a long history of cooperation and now we are taking a further step forward together in a new direction. The global automotive industry is going through a revolution and the MCU has become a driving factor for the intelligent innovation of automotive electronics. IAR Systems will continue to work with partners to enhance our industrial influence and finally benefits end-users."

For more information about GigaDevice's GD32A503 MCU series, please go to www.GD32MCU.com/en. For more information about IAR Embedded Workbench for Arm, please go to www.iar.com/arm.

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Editor's Note: IAR Systems, IAR Embedded Workbench, Embedded Trust, C-Trust, C-SPY, C-RUN, C-STAT, IAR Visual State, I-jet, I-jet Trace, IAR Academy, IAR, and the logotype of IAR Systems are trademarks or registered trademarks owned by IAR Systems AB. All other product names are trademarks of their respective owners.

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About GigaDevice

GigaDevice Semiconductor Inc. (SSE Stock Code 603986) is a global leading fabless supplier. The company was founded in April 2005 and headquartered in Beijing, China, with branch offices worldwide. This provides local support to customers at their fingertips. GigaDevice is dedicated to developing advanced memory technologies, MCU and sensor solutions, offers turnkey solutions for market segments ranging from industrial, automotive, computing, consumer, IoT, mobile application to network/telecommunications. GigaDevice management system has achieved ISO9001, ISO14001 and Duns certification, and in a constant quest to expand the technology offering to customers. GigaDevice has also formed multiple strategic alliances with leading foundries, assembly, and test plants to streamline supply chain management. For more information, please visit www.GigaDevice.com

About IAR Systems

IAR Systems provides world-leading software and services that accelerate developer productivity in embedded development and embedded security, enabling companies worldwide to create and secure the products of today and the innovations of tomorrow. IAR Systems supports 15,000 devices from over 200 semiconductor partners, serving some 100,000 developers working for a mix of Forbes 2000 companies, SMEs, and startups. Founded in 1983, IAR Systems is still headquartered in Uppsala, Sweden, with more than 220 employees in 14 offices distributed across APAC, EMEA, and North America. IAR Systems is owned by I.A.R. Systems Group AB, listed on NASDAQ OMX Stockholm, Mid Cap (ticker symbol: IAR B). Learn more at www.iar.com.