



IAR Embedded Workbench supports the most cost-effective STM32 MCU series

IAR and STMicroelectronics help developers of cost-sensitive applications to move from 8-/16-bit MCUs to the new entry-level 32-bit STM32 MCU series

Uppsala, Sweden—February 23, 2023 – STMicroelectronics' new STM32C0 series promises to make 32-bit capabilities accessible to all developers at a low price. Now, IAR, the world leader in software and services for embedded development, an ST Authorized Partner, announces the support for this latest addition to the popular STM32 microcontrollers. The powerful IAR Embedded Workbench for Arm has powerful capacities for building an optimized and compact code, and extensive debugging and analysis possibilities. Together, IAR and STMicroelectronics are lowering the hurdle for embedded developers working with 8- or 16-bit MCUs to move to ultra-competitively priced 32-bit devices.

Embedded systems developers worldwide appreciate the IAR Embedded Workbench for Arm with its advanced code optimization techniques and comprehensive debugging functionality. The tool suite helps ensure the application is fast, efficient, and highly compact. In addition, integrated static and runtime code analysis tools provide high code quality and the long-term maintainability and portability of the embedded software.

The new STM32C0, ST's most affordable 32-bit MCU series, is targeted at applications like home appliances, industrial pumps, fans, and smoke detectors, typically served by simpler 8-bit and 16-bit MCUs. The modern 32-bit design of the STM32C0 permits improvements such as faster response, extra functions, and network connection at similar overall cost and power consumption. The STM32C0 devices allow easy migration into the STM32G0 series to tackle more demanding projects, sharing a consistent pinout. IAR facilitates the application software migration in the same and professional IDE (integrated development environment).

IAR's solutions are fully integrated into the STM32 ecosystem: All software resources available for the STM32C0 series, like the STM32CubeMX configuration tool, Microsoft Azure RTOS, and the STM32CubeCO MCU package, are fully compatible and tested with IAR Development Solutions. IAR Embedded Workbench supports out-of-the-box the STM32C0 Nucleo-64 (NUCLEO-C031C6) low-cost development board and two STM32C0 Discovery Kits (STM32C0116-DK and STM32C0316-DK).

"The new STM32C0 general-purpose entry-level microcontrollers offer a compelling alternative to traditional 8-/16-bit solutions, providing a host of advanced features and capabilities. As an integral part of the extensive and powerful STM32 ecosystem, IAR helps developers to enhance and optimize their designs," said Pierre Charvet, STM32C0 product line marketing manager at STMicroelectronics. "With the support of the IAR Embedded Workbench, IAR facilitates the entry into the 32-bit world for new users, speeding up time-to-market while adhering to budget constraints."

"We have a long-standing relationship with STMicroelectronics and collaborate closely to provide comprehensive support for all STM32 32-bit Arm-based microcontrollers.", said Anders Holmberg, CTO at IAR. "As an Authorized Partner of ST, we are committed to delivering full support for these feature-rich microcontrollers, including the recently added cost-sensitive STM32C0 series, which is well suited for the next generations of smart appliances and industrial controllers. By leveraging the capabilities of IAR Development Solutions, we empower developers to streamline their workflows and significantly reduce time-to-market."

The STM32C0 series is supported since the last update v9.32 of IAR Embedded Workbench for Arm. Further information on the tool suite at www.iar.com/arm.



About IAR

IAR provides world-leading software and services for embedded development, enabling companies worldwide to create secure and innovative products for today and tomorrow. Since 1983, IAR's solutions have ensured quality, security, reliability, and efficiency in developing over one million embedded applications for companies across industries such as industrial automation, IoT, automotive and medical. IAR supports 15,000 devices from over 200 semiconductor partners. The company is headquartered in Uppsala, Sweden, and has sales and support offices worldwide. IAR 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.

Contacts

Hanna Laurentz, Head of Corporate Communications, IAR
Tel: +46 18 16 78 00 E-mail: hanna.laurentz@iar.com

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