IAR Systems enables powerful AI/ML applications based on Alif Semiconductor's microcontrollers and fusion processors

The partnership between IAR Systems and Alif Semiconductor accelerates innovation in the embedded space through strong artificial intelligence (AI) and machine learning (ML) capabilities

Uppsala, Sweden—March 30, 2022—IAR Systems®, the world leader of software and services for embedded development, today announced that its leading development solutions for Arm® now provides support for the Ensemble™ and Crescendo™ families of AI-enabled, power efficient microcontrollers (MCUs) and fusion processors from Alif Semiconductor™. The renowned development toolchain IAR Embedded Workbench® for Arm brings high performance and strong code optimizations capabilities to companies choosing Ensemble or Crescendo devices.

Alif Semiconductor's power efficient product families scale by offering up to four processing cores plus AI/ML acceleration, multi-layered security, integrated LTE Cat-M1 and NB-IoT connectivity, global navigation satellite system (GNSS) positioning and much more. IAR Embedded Workbench for Arm provides powerful code optimizations to assist developers in getting the most out of the performance of a device and yet stay as energy efficient as possible.

"Alif Semiconductor's high level of functional integration delivers what are essentially single chip IoT systems to developers," said Mark Rootz, Sr. Marketing Director, Alif Semiconductor. "By partnering with IAR Systems to enable our customers to benefit from their world-class tools, we are able to ensure that the applications they create can benefit from some of the most powerful optimization technology in the industry."

"IAR Systems and Alif Semiconductor are working together to enable the next generation of embedded connected applications," said Anders Lundgren, Product Manager, IAR Systems. "Our development tools for Arm features leading compiler technology, with optimizations for both code size and speed, as well as high-performance debugging, providing a great platform for companies to maximize the potential of Alif's AI-enabled Ensemble and Crescendo products."

More information about IAR Systems' strong offering for Arm-based applications is available at www.iar.com/arm.

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About IAR Systems

IAR Systems provides world-leading software and services for embedded development, enabling companies worldwide to create the products of today and the innovations of tomorrow. Since 1983, IAR Systems' solutions have ensured quality, reliability and efficiency in the development of over one million embedded applications. The company is headquartered in Uppsala, Sweden and has sales and support offices all over the world. Since 2018, Secure Thingz, the global domain expert in device security, embedded systems, and lifecycle management, is part of IAR Systems Group AB. IAR Systems Group AB is listed on NASDAQ OMX Stockholm, Mid Cap. Learn more at www.iar.com.

About Alif Semiconductor

Alif Semiconductor was founded in 2019 with the vision to address the rapidly growing market need for broad, scalable, and connected AI-enabled embedded computing solutions that are genuinely power efficient. This need led to Alif Semiconductor's creation of a new class of embedded controllers, or fusion processors, that enable seamless integration of technology for everyday life by unlocking innovative low-power techniques, unparalleled functional integration, accelerated AI and ML edge processing, high security, ubiquitous wireless connectivity, and operating system diversity. For more information go to www.alifsemi.com.