



Scaleo chip uses ARM CORTEX-M3 processor for AUTOSAR-based automotive systems.

- AUTOSAR (AUTomotive Open System ARchitecture) provides an open and standardized automotive software architecture, the goal of which is to manage the growing electric/electronic car equipment complexity without making any compromise with respect to quality.
- The AUTOSAR standard is gathering momentum with a number of top manufacturers in support.
- The ARM Cortex-M3 processor provides a high-performance, cost-sensitive platform that meets industry requirements for maximum code density, minimal pin count and reduced power consumption, while delivering outstanding computational performance and exceptional interrupt system response.

Demonstrates accelerating adoption of the Cortex-M3 processor for cost-sensitive, high-performance automotive systems

Sophia Antipolis, France, October 23, 2007 – Scaleo chip, a leader in the design of automotive system-on-chip (SoC) designs, today announced it is using the high-performance ARM® Cortex™-M3 processor to develop a next-generation MCU platform optimized for AUTOSAR applications in in-vehicle networking systems. The platform will utilize many of the advanced features built into the Cortex-M3 processor designed specifically for the automotive market and advanced microcontroller devices. These features include powerful memory protection capabilities with the Memory Protection Unit, built-in system clock functionality, plus a raft of flexible interrupt handling features that enable the implementation of advanced event handling in hardware that integrates with the AUTOSAR architecture.

AUTOSAR provides an open and standardized automotive software architecture. The goal of AUTOSAR is to manage the growing electric/electronic car equipment complexity without making any compromise with respect to quality by improving modularity, scalability, transferability and re-usability of functions to provide a standardized platform for automotive systems. The ARM Cortex-M3 processor, with its high system performance, exceptional interrupt handling, cost-sensitive architecture and full tools support is an ideal platform on which to develop deeply embedded automotive applications that also require low power consumption. Working with ARM, Scaleo chip will enable the porting of the AUTOSAR-OS SC4 to the Cortex-M3 processor, delivering a state-of-the-art solution for the introduction of the AUTOSAR automotive software standard.

“As a leader in automotive SoC development and implementation, we strive to work with the best platforms available to meet the strong levels dictated by standards such as AUTOSAR,” said Bruno Paucard, Scaleo chip CEO. “We have a large experience in developing ARM technology-based designs. By utilizing the Cortex-M3 processor, we will benefit from performance and power advantages in a small form factor, which is essential in automotive designs.”

Mr Paucard continued “The AUTOSAR standard is gathering momentum with a number of top car manufacturers in support. Working with ARM technology-based SoC solutions enables Scaleo chip to lead the growing number of companies with the common goal of creating open standards in automotive architectures,”

The ARM Cortex-M3 processor, which significantly reduces memory use while delivering industry-leading power and performance in a small RISC core, delivers the means to accelerate the migration of thousands of applications around the globe from legacy components to 32-bit microcontrollers. The ARM Cortex-M3 processor combines multiple breakthrough technologies that enable chip vendors to deliver devices at extremely low cost, while achieving outstanding performance of up to 1.2DMIPS/MHz with an internal processor core of only 33,000 gates. This design also integrates a number of tightly-coupled system peripherals to achieve the exceptional system response needed to manage future generations of critical control tasks.

About the AUTOSAR Partnership

Core members of the AUTOSAR partnership include PSA Peugeot Citroën, Toyota Motor Corporation, Volkswagen, BMW Group, DaimlerChrysler, Ford Motor Company, General Motors, and automotive suppliers Bosch, Continental and Siemens VDO. There are a total of 50 premium members as of September 2007.

For more information, please visit <http://www.autosar.org>

About Scaleo chip

Scaleo chip is a fabless ASIC/ASSP semiconductor company, specialized in ARM technology-based SoC designs. The company is an Automotive Semiconductor Supplier for actual body controller applications. Its methodology is based on an innovative prototyping platform allowing developers to implement specifications into an ASIC prototype and start SW debug within weeks. Scaleo chip has developed unique expertise in the field of multicore architectures. Scaleo chip's technology can be found at the heart of advanced digital products such as portable video systems, digital TV terminals, video games, imaging systems, wireless communications and telematics. Scaleo chip is based in Sophia Antipolis, France.

For more information, please visit <http://www.scaleochip.com>

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