



**FOR IMMEDIATE RELEASE**

**News Release**

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**ARM AND X86 LEAD 32/64-BIT MICROCONTROLLER & EMBEDDED MICROPROCESSOR MARKET IN 2011**

**London, England; October 17, 2012; Findings from the 2012 edition of Semicast's 32/64-bit Microcontrollers & Embedded Microprocessors study show ARM and x86 were the leading architectures in this market in 2011. Revenues for 32/64-bit MCUs and embedded MPUs (eMPUs) are estimated to have grown to USD 9.6 billion in 2011, from USD 8.3 billion in 2010.**

The data, which is based on revenues for microcontrollers and embedded microprocessors, but excludes ASICs, ASSPs, SoCs and FPGAs, shows ARM with an estimated market share of almost 24 percent in 2011, a slight gain on 2010, but a near doubling of market share since 2007. x86 is the only architecture to have also gained market share in the last four years. Colin Barnden, Principal Analyst at Semicast Research and study author, commented "Semicast's medium term view is that the architectural battle will continue to consolidate around ARM and x86, with the share of the market taken by other architectures forecast to steadily decline".

Semicast judges TI to have been the leading supplier of ARM-based MCUs/eMPUs in 2011, ahead of NXP and ST, with Freescale making rapid progress. Most of the leading microcontroller suppliers have now introduced a range of ARM-based products, although Renesas is the main exception and continues to primarily support the RX, SH and V850 families. Semicast judges the key end-use sectors for ARM-based MCUs/eMPUs to be automotive and industrial. x86 continued to make in-roads into the embedded market in 2011 and with high profile design wins in cellphones and tablets already announced this year, its market share is set to increase further in 2012.

Barnden summed up "Freescale is judged to have been the largest supplier of 32/64-bit MCUs/eMPUs in 2011, although with a lead of the slenderest of margins ahead of Intel, while Renesas is estimated to have been the third largest supplier".

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Notes for Editors

1. The source material for this news release is taken from the Semicast study “32/64-bit Microcontrollers, Embedded Microprocessors & DSPs – 2012 Edition”, published in August 2012. A copy of the study brochure can be viewed at:  
[http://www.semicast.net/resources/Semicast+report+brochure+32\\$2664+bit+MCUs+eMPUs+DSPs.pdf](http://www.semicast.net/resources/Semicast+report+brochure+32$2664+bit+MCUs+eMPUs+DSPs.pdf)
2. Semicast has a strategic focus on embedded processing and provides on-going research services to the global industry. Its Embedded Processing Service has been developed specifically for semiconductor and software suppliers to understand detailed trends in 23 key application areas across the five main end-use sectors. The service has a focus on trends for the ARM, MIPS, Power Architecture and x86 product families in embedded processing.
3. Semicast is always willing to work with journalists to provide quotations, opinions and market information for articles. If you require further information, please contact us at [press\[at\]semicast.net](mailto:press[at]semicast.net)
4. Semicast is a respected provider of independent market research on the semiconductor and electronics industry. It specializes in coverage of industrial and medical semiconductors, automotive electronics, telematics/infotainment, automotive semiconductors and embedded processing.