STMicroelectronics Ships Billionth ARM-based STM32 Microcontroller and 500 Millionth ST33 Secure Microcontroller

Leading microcontrollers are enablers of both Smart and Secure Things

Geneva, December 1, 2015 – STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, announced that ST has now delivered more than one billion general-purpose STM32 microcontrollers based on ARM® Cortex® cores. In addition, ST has also passed the 500 million milestone for shipments of ST33 secure microcontrollers built around the ARM SecurCore® SC300 processor.

ST's early decision to create the STM32 range of microcontrollers around ARM cores has been an outstanding success, resulting in an unrivalled range of 32-bit microcontrollers that include performance enhancing innovations such as ST's Adaptive Real-Time accelerators and its rich set of on-chip peripherals. These peripherals include low-power, high-performance analog functions, and DSP extensions, among others. The billion-plus devices shipped to date have been used in applications as varied as industrial, consumer, Internet of Things, mobile, and health, fitness, and wearable applications. The range of microcontrollers covers computing needs that extend from ultra-low power consumption to high-performance embedded-computing engines.

Successful adoption of the STM32 family has been enhanced by the strength of its comprehensive development ecosystem, which includes impressive, yet very inexpensive STM32 Discovery kits, STM32 Nucleo boards, and expansion boards. The STM32 development kits and boards, with almost 700,000 units shipped to date, are complemented with easy-to-use and free STM32Cube development tools, the STM32 Open Development Environment, and a plethora of third-party tools. The breadth, usefulness and economy of the STM32 ecosystem have contributed to adoption of the STM32 family in multiple university programs.

"The scale of ST's ARM-based microcontroller deployment is impressive when you consider our combined technologies are now in more than a billion devices," said James McNiven, general manager, CPU Group, ARM. "But scale is only one factor as ST is also providing diversity with 600 ARM-based MCUs now available to its customers. This is vital in a global market where device families must be extremely versatile in order to succeed across an expanding smart connected world."

In addition to the ARM Cortex-M cores, ST uses many ARM cores as the basis for a wide range of products, from general-purpose and secure microcontrollers to the most advanced SoC (System-on-Chip) solutions for Smart Industry and the Smart Home. The ST31/ ST33 range of secure MCUs are all based on ARM SecurCore processors (SC000 and SC300, respectively) and cover many applications such as Embedded Secure Element and NFC SIM for mobile phones, bank cards, M2M (Machine-to-Machine), and electronic ID documents.

"ST and ARM have a close relationship that has benefited both companies and the wider technology ecosystem over the years," said Claude Dardanne, Executive Vice President and General Manager Microcontroller, Memory and Secure MCU Group STMicroelectronics. "By using ARM IP, we have been able to focus on our own key skills - listening to customers and delivering optimized silicon solutions."

ST and ARM continue to collaborate on new technologies such as ST's support for the ARM mbed™ IoT Device Platform by ensuring its expanding range of STM32 Nucleo development systems and accompanying software ecosystems are fully mbed-enabled.

About STMicroelectronics
ST is a global leader in the semiconductor market serving customers across the spectrum of sense and power and automotive products and embedded processing solutions. From energy management and savings to trust and data security, from healthcare and wellness to smart consumer devices, in the home, car and office, at work and at play, ST is found everywhere microelectronics make a positive and innovative contribution to people's life. By getting more from technology to get more from life, ST stands for life.augmented.

In 2014, the Company's net revenues were $7.40 billion. Further information on ST can be found at www.st.com.

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