

**Stm32 Arm Cortex M3 Mcu**

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ARM Architecture Introduction: Cortex M0, Cortex M1, Cortex M3 \u0026 Cortex M4STM32 \"/>

**Arm Cortex-M3 - Microcontrollers - STMicroelectronics**

The STM32 family of 32-bit microcontrollers based on the Arm Cortex M processor is designed to offer new degrees of freedom to MCU users. It offers products combining very high performance, real-time capabilities, digital signal processing, low-power / low-voltage operation, and connectivity, while maintaining full integration and ease of development.

**STM32 Arm Cortex MCUs - 32-bit Microcontrollers - STMicroelectronics**

STM32F205RG - High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, STM32F205RGT6, STM32F205RGT6V, STM32F205RGV6W, STM32F205RGT7, STM32F205RGV6TR, STM32F205RGT6TR, STM32F205RGV6V, STM32F205RGY6V, STMicroelectronics

**STM32F205RG - High-performance Arm Cortex-M3 MCU with 1 Mbyte of Flash memory, 120 MHz CPU, ART Accelerator, STM32F205RGT6, STM32F205RGT6V, STM32F205RGV6W, STM32F205RGT7, STM32F205RGV6TR, STM32F205RGT6TR, STM32F205RGV6V, STM32F205RGY6V, STMicroelectronics**

STM32L151CC - Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp, STM32L151CCU6TR, STM32L151CCT6TR, STM32L151CCU6, STM32L151CCT7TR, STM32L151CCT6, STM32L151CCT7, STM32L151CCT6J, STMicroelectronics

**STM32L151CC - Ultra-low-power Arm Cortex-M3 MCU with 256 Kbytes of Flash memory, 32 MHz CPU, USB, 2xOp-amp, STM32L151CCU6TR, STM32L151CCT6TR, STM32L151CCU6, STM32L151CCT7TR, STM32L151CCT6, STM32L151CCT7, STM32L151CCT6J, STMicroelectronics**

ARM launched the Cortex-M3 processor in October 2004. In March 2006, Luminary Micro (now a division of Texas Instruments) launched the first Cortex-M3 based microcontroller. STMicroelectronics followed suit in June 2007 with the extensive STM32 range. Since then, NXP, Atmel, Zilog and many others have licensed the processor.

**The ARM Cortex-M3 and the convergence of the MCU market - STMicroelectronics**

The STM32F103xx medium-density performance line family incorporates the high-performance Arm Cortex M3 32-bit RISC core operating at a 72 MHz frequency, high-speed embedded memories (Flash memory up to 128 Kbytes and SRAM up to 20 Kbytes), and an extensive range of enhanced I/Os and peripherals connected to two APB buses.

**STM32F103C8 - Mainstream Performance line, Arm Cortex-M3 - STMicroelectronics**

The Cortex-M3 core was developed to target the low-cost requirements of a wide range of markets and applications where memory and processor size significantly impact the product cost. ST was a lead partner in this development, and is the first leading MCU supplier to introduce a product family based on the core.

**STMicroelectronics Introduces Free Self-Test Software for STM32 - STMicroelectronics**

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**STM32F103RBT6 - ARM MCU, Motor Control, STM32 Family - STMicroelectronics**

The STM32F103VCT6 is a high density performance line ARM Cortex-M3 32bit microcontroller in 100 pin LQFP package. It incorporates high performance RISC core with 72MHz operating frequency, high speed embedded memories, extensive range of enhanced I/Os and peripherals connected to two APB buses.

**STM32F103VCT6 - ARM MCU, STM32 F1 ARM Cortex-M3 - STMicroelectronics**

The STM32 is a family of microcontroller ICs based on the 32-bit RISC ARM Cortex-M3F, Cortex-M7F, Cortex-M4F, Cortex-M3, Cortex-M0+, and Cortex-M0 cores. STMicroelectronics licenses the ARM Processor IP from ARM Holdings. The ARM core designs have numerous configurable options, and ST chooses the individual configuration to use for each design.

**STM32 - Wikipedia**

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STM32 MCU family significantly reduces cost/performance/power compromises in embedded systems . Geneva, June 11,2007 - STMicroelectronics, one of the world's leading semiconductor manufacturers, has announced a new family of 32-bit Flash Microcontrollers based on the breakthrough ARM Cortex-M3 core - a core with features specifically designed for embedded applications requiring a ...

**STMicroelectronics Reshapes the MCU Market with New 32-Bit - STMicroelectronics**

The STM32F103C8T6 is a medium density performance line, ARM Cortex-M3 32bit microcontroller in 48 pin LQFP package. It incorporates high performance RISC core with 72MHz operating frequency, high speed embedded memories, extensive range of enhanced I/Os and peripherals connected to two APB buses.

**STM32F103C8T6 - ARM MCU, Motor Control, STM32 Family - STMicroelectronics**

The Arm Cortex-M3 processor is the industry-leading 32-bit processor for highly deterministic real-time applications, specifically developed to enable partners to develop high-performance low-cost platforms for a broad range of devices.