

STM32 32-bit MCU family

ST, leading supplier of ARM CortexTM-M microcontrollers



High-performance





STM32 F4 SERIES WITH DSP AND FPU (CORTEX-M4)

- 608 CoreMark at 180 MHz from Flash, up to 2-Mbyte dual-bank Flash, 256-Kbyte SRAM
- SDRAM, TFT LCD controller with graphics acceleration and serial audio interface

Ultra-low-power





STM32 LO SERIES (CORTEX-MO+) - NEW

- Down to 87 μA/MHz (from Flash)
- 440 nA Stop mode + Full RAM with 3.5µs Wakeup

STM32 L1 SERIES (CORTEX-M3)

- From 32- to 512-Kbyte* embedded Flash
- 0.9 µA in Standby mode +RTC

Mainstream



STM32 F0 ENTRY LEVEL SERIES (CORTEX-M0)

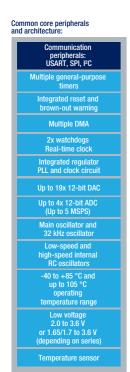
- From 16- to 128-Kbyte embedded Flash, including STM32F030 Value line: 32 bits at 32 cents
- New STM32F072 USB line is available

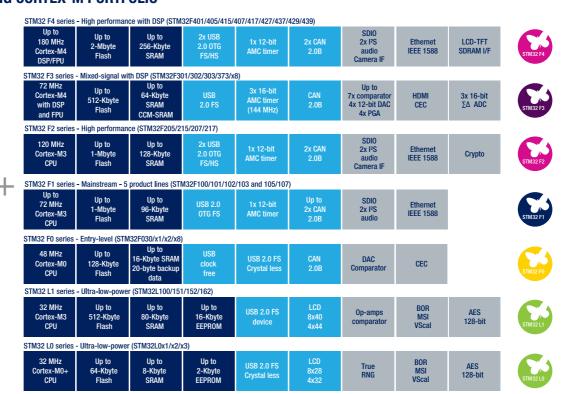
STM32 F3 ENTRY LEVEL DSP/FPU SERIES (CORTEX-M4)

- From 16- to 512-Kbyte* embedded Flash, fast 12-bit ADC, 5 MSPS and precise 16-bit ADC ΣΔ
- Fast comparators (50 ns), programmable gain amplifiers (4 gains, 1% accuracy), 12-bit DACs

Note: *STM32F30x 16- to 64-Kbyte devices are in sampling phase and first sample of STM32F3 512-Kbyte will be available in Q1/2014

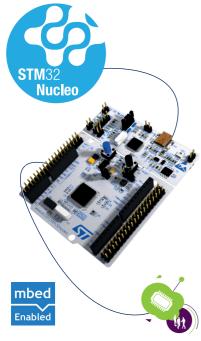
STM32 - THE LEADING CORTEX-M PORTFOLIO





STM32 ECOSYSTEM





www.st.com/stm32nucleo



STM32Cube

STM32CubeMX **Configuration tool** on PC



C code generation for initialization, depending on user choices



www.st.com/stm32cube

STM32 selector guide

Download "ST MCU Finder" free app to find the right STM32 product.

Available on Android tablet and smartphone



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