

STM32C5:

Upgrade your entry-level design without breaking the bank



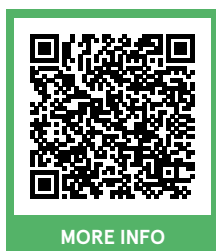
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Key Features

- 144 MHz Arm® Cortex® M33 core with FPU and DSP
- Up to 593 CoreMark
- Up to 1 Mbyte Flash memory and 256 Kbytes SRAM
- 2.7–3.6 V, <100 µA/MHz dynamic power
- Ambient temperature up to 125°C without impact
- Ethernet, USB, I3C, FDCAN, OCTOSPI
- Up to 3x ADC, 2x DAC, 2x COMP, OPAMP
- PSA L3 / SESIP3 target certification
- Optional SCA resistant hardware crypto with key storage
- Coupling & chaining bridge with symmetric and asymmetric crypto accel

Key Benefits

- **Enhanced performance**
Delivers 593 CoreMark on ST's 40 nm Cortex M33 for faster, richer applications.
- **Cost optimized**
Starts at \$0.64/10KU, bringing more capability without increasing makers' BOM cost.
- **Built on STM32 strengths**
Leverages the evolving STM32Cube ecosystem for faster development and easy migration across STM32.



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