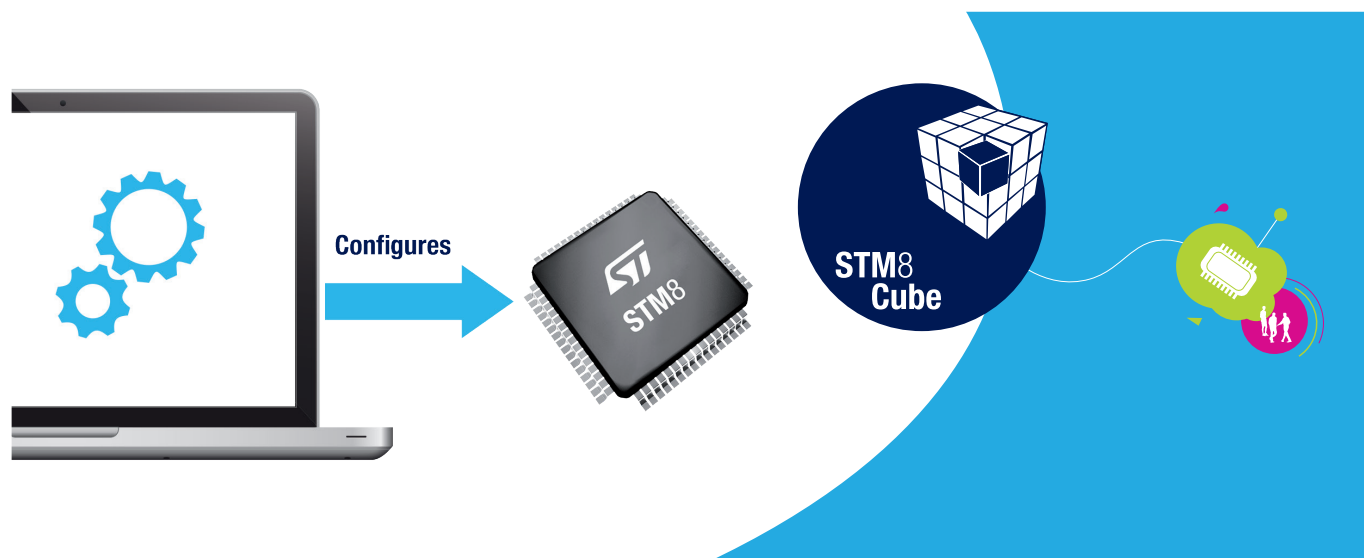


STM8CubeMX

eases STM8 configuration



Free STM8 configuration tool with user-friendly GUI helps developers significantly reduce development effort, time and cost

As part of the STMCube™ initiative to reduce development effort, time and cost for engineers, ST offers STM8CubeMX, a user-friendly software tool that uses graphical wizards to configure STM8 microcontrollers.

To help developers better understand STM8 features and functions, STM8CubeMX includes several intuitive wizards that make it easier to:

- select the STM8 MCU that best fits application requirements,
- organize pinouts with automatic conflict resolution,
- manage the clock tree with dynamic validation of the selected configuration,
- evaluate different power consumption scenarios.

In the end, the user can generate and share a configuration report with colleagues about achievable results, therefore improving overall team efficiency.

FEATURES

- Intuitive microcontroller selector
- Graphical configuration of STM8 pinout with automatic conflict resolver
- Graphical configuration of STM8 clock system with solver
- Graphical evaluation of power consumption
- Create and share reports
- Available for Windows®, Linux® and macOS® operating systems



STM8CUBEMX – A SOFTWARE CONFIGURATION TOOL FOR STM8 MICROCONTROLLERS

STM8CubeMX is a graphical tool that helps configure any STM8 microcontroller, through a step-by-step process:

- Intuitive STM8 microcontroller selection wizard:
 - Selects the STM8 that best fits the required application features
 - Lists the development tools available for selected STM8 including Discovery kits and evaluation boards
- Graphical wizards help configure important STM8 features:
 - Pinout wizard with automatic conflict resolution
 - Clock tree wizard with dynamic validation of configuration
 - Power-consumption calculator
- Generate and share reports about selected configurations and performance.

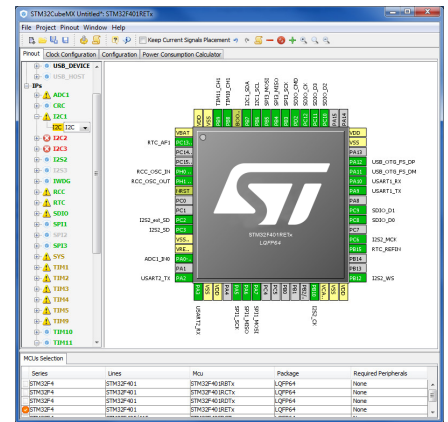
In addition, STM8CubeMX can check automatically the current user version versus the latest one available on st.com, thus ensuring that the user stays up to date.

STM8CubeMX is available under Windows®, Linux® and macOS®¹ operating systems.

Note:

1. macOS is a trademark of Apple Inc., registered in the U.S. and other countries.

Compared to the STM32CubeMX for STM32 microcontrollers, STM8CubeMX does not allow users to generate C initialization code.



STM8CUBEMX COMPLEMENTS THE WIDE RANGE OF STM8 DEVELOPMENT BOARDS

STM8 Nucleo, Discovery and Evaluation boards enable users to seamlessly prototype using STM8 microcontrollers, come with direct support from a large choice of IDEs, and include an embedded STLink debugger/programmer, which eliminates the need for an external debug SWIM probe.

The new Nucleo-64 boards, based on STM8S208RB and STM8L152R8, add scalability through Arduino Uno connectors combined with a range of available hardware plug-ins. Product creation is fluid and flexible with freedom to adjust or optimize hardware and software at any time thereby minimizing risks and time to market.

Read more: st.com/stm8nucleo

