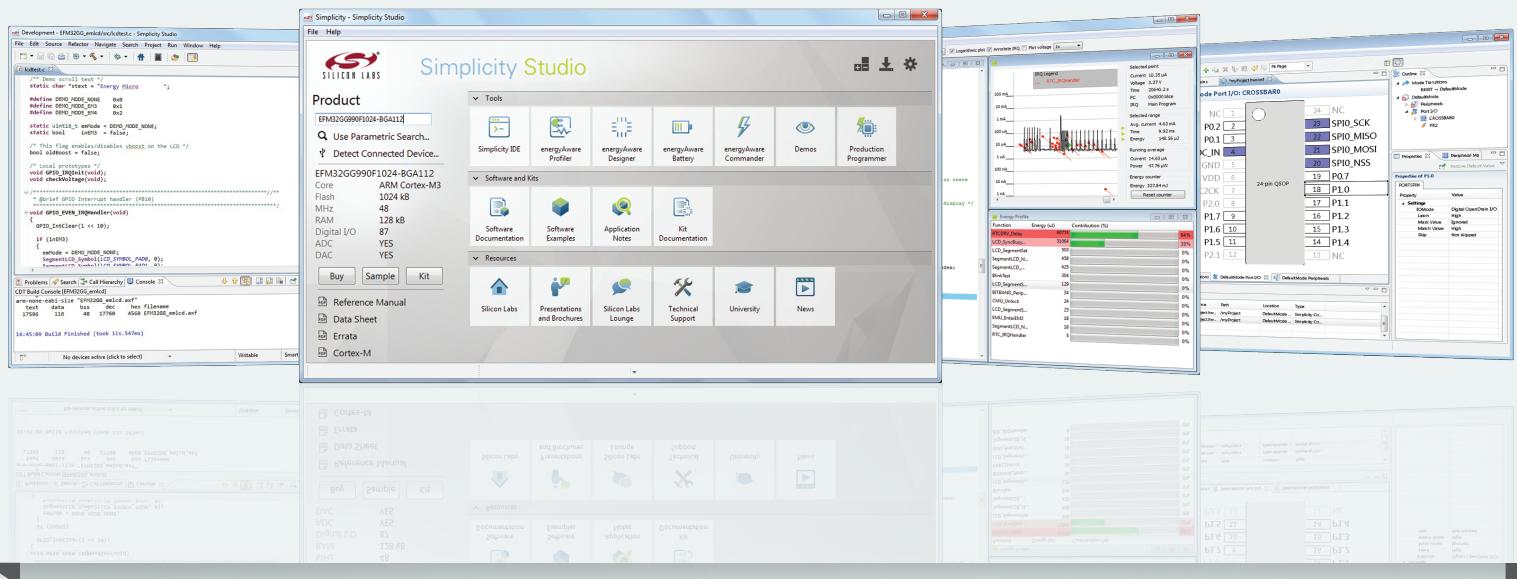




Simplicity Studio

www.silabs.com/simplicity-studio



Simplicity Studio™ — One-click access to the latest software, documentation and tools

Silicon Labs' Simplicity Studio™ provides developers with instant access to tools, documentation, software and support resources for both 32-bit EFM32™ and 8-bit 8051 MCUs. The complementary development ecosystem includes an Eclipse-based IDE as well as configuration and profiling software. Simplicity Studio helps simplify development by providing everything developers need from initial design to final product in a single platform.

- One-click accessibility simplifies embedded development
- Comprehensive development MCU platform
- Always updated

Simplicity Integrated Development Environment (IDE)

The Eclipse-based Simplicity IDE enables code development and debugging for Silicon Labs MCUs, supporting both EFM32 32-bit EFM32 and 8051 8-bit MCUs. The Simplicity IDE gives developers flexibility by supporting Keil® and GCC build tools and provides seamless integration with Simplicity Studio development tools, such as energyAware Designer and Configurator. In addition, Silicon Labs provides complementary Keil® PK51 development tools for use with 8051 MCUs without any code size limits.

Idea/Prototype

- Quickly configure MCU pin-outs and generate C-code
- Estimate current consumption and battery life before writing any code

Demonstrate

- Easily download demos highlighting product features

Develop

- Simplicity IDE supports both 32-bit EFM32 and 8051 8-bit MCUs

Analyze

- View real-time power consumption with energyAware Profiler
- Full-speed, non-intrusive, in-circuit debug logic

Resources

- Parametric search helps developers quickly identify a target MCU
- Integrated technical documentation
- Access to technical support and community forums

FINAL PRODUCT

[DOWNLOAD SIMPLICITY STUDIO TODAY!](http://www.silabs.com/simplicity-studio)

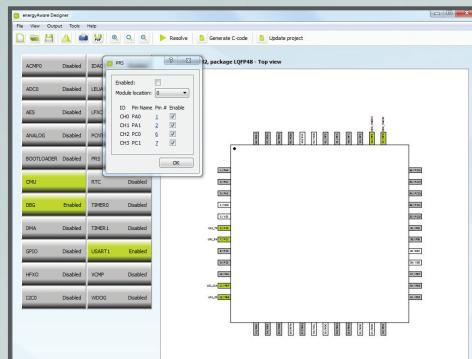


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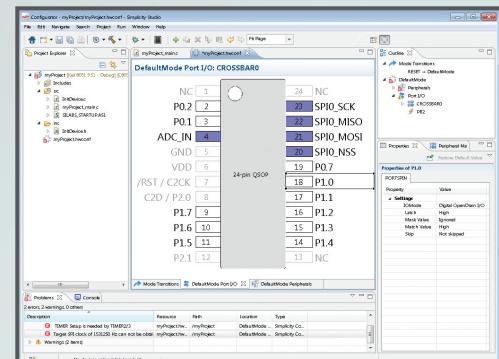
Easily configure your MCU

Simplicity Studio's energyAware Designer and Configurator provide easy-to-use, graphical configuration tools that allow developers to quickly configure an MCU pin-out and peripherals, automatically generating source code.



energyAware Designer

energyAware Designer allows developers to quickly configure the pin-out of EFM32 MCUs and provides a top view summary of the configuration. Simply click on a peripheral module, select the location and configure the module. energyAware Designer can also generate source code and provides seamless integration into the Simplicity IDE.

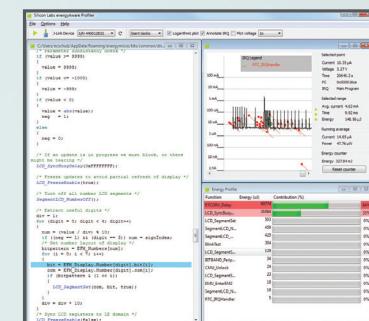


Configurator

Configurator is a graphical configuration tool that allows developers to create a complete applications by configuring MCU pin-outs, peripherals and mode transitions. In addition, Configurator provides built-in error checking and calculators to further simplify development. Configurator can also generate source code and provides seamless integration into the Simplicity IDE.

energyAware Profiler

Developers can measure the real-time power consumption of an application using the energyAware Profiler. The Profiler shows a graphical output of power consumption and can correlate the graph output with lines of source code. Simply click on a point in the graph and the code viewer will highlight the corresponding line of code. The tool also shows the amount of time spent in each function. This allows developers to quickly identify areas of code that draw the most current and create energy-friendly applications.



ARM® Ecosystem

The EFM32™ family also enables developers to take advantage of the huge ecosystem of software and development tools optimized for the ARM® architecture including Keil, IAR® and GCC as well as RTOS platforms including Micrium®, FreeRTOS™ and RTX. To accelerate development and code porting from competitive MCU platforms, Silicon Labs offers Cortex-M3 microcontroller software interface standard (CMSIS) compatible code, an ARM-specified software interface for core peripherals.

Download Simplicity Studio Today

Silicon Labs provides both a web and offline installer to download Simplicity Studio. Both options are provided at no cost to you. Download today and start exploring Silicon Labs MCUs!

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