



32-bit MCU SDK 6.1.2.0 GA

Gecko SDK Suite 3.2

September 8, 2021

The 32-bit MCU SDK provides sample applications for EFM32 and EZR32 development kits.

This document covers the following SDK versions:

- 6.1.2.0 released September 8, 2021 (underlying platform changes only)
- 6.1.1.0 released July 21, 2021 (underlying platform changes only)
- 6.1.0.0 released June 16, 2021

KEY FEATURES

- Underlying Gecko Platform changes only

For information about security updates and notices, see the Security chapter of the Gecko Platform Release notes installed with this SDK or on the [Silicon Labs Release Notes page](#). Silicon Labs also strongly recommends that you subscribe to Security Advisories for up-to-date information. For instructions, or if you are new to the 32-bit MCU SDK, see [Using This Release](#).

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1 New Items

None

2 Improvements

None

3 Fixed Issues

None

4 Known Issues in the Current Release

None

5 Deprecated Items

None

6 Removed Items

None

7 Using This Release

The 32-bit MCU SDK v 6.1.x is optionally installed with Gecko SDK Suite v3.2.x in Simplicity Studio 5 for EFM32 and EZR32 products. Installation instructions are available in the [Simplicity Studio 5 online User's Guide](#). This release contains the following.

- EFM32 and EZR32 sample applications

This SDK depends on Gecko Platform. The Gecko Platform code provides functionality that supports protocol plugins and APIs in the form of drivers and other lower layer features that interact directly with Silicon Labs chips and modules. Gecko Platform components include EMLIB, EMDRV, RAIL Library, NVM3, and mbedTLS. Gecko Platform release notes are available through Simplicity Studio's Launcher Perspective..

7.1 Compatible Software

This version of the 32-bit MCU SDK is compatible with the following tool chains.

- IAR Embedded Workbench for ARM (IAR-EWARM) version 8.50.9
- GCC (The GNU Compiler Collection) version 10.2.0 is provided with Simplicity Studio
- Keil MDK V5.25 for ARM

7.2 Security Information

Security Advisories

To subscribe to Security Advisories, log in to the Silicon Labs customer portal, then select **Account Home**. Click **HOME** to go to the portal home page and then click the **Manage Notifications** tile. Make sure that 'Software/Security Advisory Notices & Product Change Notices (PCNs)' is checked, and that you are subscribed at minimum for your platform and protocol. Click **Save** to save any changes.

The screenshot shows the 'Update Preference' page in the Silicon Labs customer portal. The page is titled 'Update Preference' and has a sub-header 'WHAT EMAILS WOULD YOU LIKE TO RECEIVE?'. Under 'Newsletters', there are three unchecked checkboxes: 'Community Monthly Newsletter', 'Sales Newsletter', and 'Micrium Newsletter'. Under 'Product Specific Notifications', there are three checkboxes: 'Product Information and Newsletter' (unchecked), 'Software/Security Advisory Notices & Product Change Notices (PCNs)' (checked and highlighted with a red box), and 'Technical Document Updates (Release Notes, Data Sheets, etc.)' (unchecked). Below this is the section 'SELECT THE PRODUCTS TO RECEIVE UPDATES FOR'. Under 'Microcontrollers', there are three checkboxes: '8-bit MCUs' (unchecked), '32-bit MCUs' (checked and highlighted with a red box), and 'Timing' (unchecked). Under 'Wireless', there are five checkboxes: 'Bluetooth Classic' (unchecked), 'Bluetooth Low Energy' (unchecked), 'Proprietary' (checked and highlighted with a red box), 'Wi-Fi' (unchecked), and 'Z-Wave' (unchecked). Other product categories like 'Audio and Radio', 'Interface', 'Isolation', 'Modems and DAAs', 'Power over Ethernet', 'Sensors', 'TV and Video', and 'Voice' are listed but not expanded.

7.3 Support

Development Kit customers are eligible for training and technical support. Use the Silicon Laboratories web site www.silabs.com/products/mcu/32-bit to obtain information about all EFM32 Microcontroller products and services, and to sign up for product support.

You can contact Silicon Laboratories support at www.silabs.com/support

Simplicity Studio

One-click access to MCU and wireless tools, documentation, software, source code libraries & more. Available for Windows, Mac and Linux!



IoT Portfolio
www.silabs.com/IoT



SW/HW
www.silabs.com/simplicity



Quality
www.silabs.com/quality



Support & Community
www.silabs.com/community

Disclaimer

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