



# 32-bit MCU SDK 6.4.4.0 GA

## Gecko SDK Suite 4.2

### August 16, 2023

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

This document covers the following SDK versions:

- 6.4.4.0 released August 16, 2023 (underlying platform changes only)
- 6.4.3.0 released May 3, 2023 (underlying platform changes only)
- 6.4.2.0 released March 8, 2023 (underlying platform changes only)
- 6.4.1.0 released February 1, 2023 (underlying platform changes only)
- 6.4.0.0 released December 14, 2022

#### KEY FEATURES

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- Added support for new OPNs

## Compatibility and Use Notices

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](#).

### Compatible Compilers:

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

- IAR Embedded Workbench for ARM (IAR-EWARM) version 9.20.40
- GCC (The GNU Compiler Collection) version 10.3-2021.10 (provided with Simplicity Studio)

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## 1 New Items

### New in release 6.4.0.0

Added support for the following new OPNs:

- BRD2200C
- BRD2201B
- BRD2400B
- BRD2102B

## 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 64.x is installed as part of Gecko SDK (GSDK) 4.2.x, the suite of Silicon Labs SDKs. To quickly get started with the GSDK, install [Simplicity Studio 5](#), which will set up your development environment and walk you through GSDK installation. Simplicity Studio 5 includes everything needed for IoT product development with Silicon Labs devices, including a resource and project launcher, software configuration tools, full IDE with GNU toolchain, and analysis tools. Installation instructions are provided in the online [Simplicity Studio 5 User's Guide](#).

Alternatively, Gecko SDK may be installed manually by downloading or cloning the latest from GitHub. See [https://github.com/SiliconLabs/gecko\\_sdk](https://github.com/SiliconLabs/gecko_sdk) for more information.

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.

The GSDK default install location has changed with Simplicity Studio 5.3.

- Windows: C:\Users\- MacOS: /Users/<NAME>/SimplicityStudio/SDKs/gecko\_sdk

### 7.1 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 search bar at the top. The main content area is divided into two sections: 'WHAT EMAILS WOULD YOU LIKE TO RECEIVE?' and 'SELECT THE PRODUCTS TO RECEIVE UPDATES FOR'.

In the 'WHAT EMAILS WOULD YOU LIKE TO RECEIVE?' section, there are two sub-sections: 'Newsletters' and 'Product Specific Notifications'. Under 'Product Specific Notifications', the checkbox for 'Software/Security Advisory Notices & Product Change Notices (PCNs)' is checked and highlighted with a red box. Other options include 'Community Monthly Newsletter', 'Sales Newsletter', 'Micrium Newsletter', 'Product Information and Newsletter', and 'Technical Document Updates (Release Notes, Data Sheets, etc.)'.

In the 'SELECT THE PRODUCTS TO RECEIVE UPDATES FOR' section, there is a table of products with checkboxes. The '32-bit MCUs' checkbox under the 'Microcontrollers' category is checked and highlighted with a red box. The 'Proprietary' checkbox under the 'Wireless' category is also checked and highlighted with a red box. Other products listed include Audio and Radio, Interface, Isolation, Modems and DAAs, Timing, Clocks, Buffers, Oscillators, CDR and PHY, Power over Ethernet, Sensors, TV and Video, Voice, Bluetooth Classic, Bluetooth Low Energy, Wi-Fi, ZigBee and Thread, and Z-Wave.

## 7.2 Support

Development Kit customers are eligible for training and technical support. Use the Silicon Laboratories web site [www.silabs.com/products/mcu/32-bit](http://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](http://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!



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