



# 32-bit MCU SDK 5.9.3.0 GA

## Gecko SDK Suite 2.7

### March 20, 2020

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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:

- 5.9.3.0 GA released March 20, 2020
- 5.9.2.0 GA released February 21, 2020
- 5.9.1.0 GA released January 24, 2020
- 5.9.0.0 GA released December 13, 2019

#### KEY FEATURES

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##### Sample application updates

- Integration of sleeptimer service
- New Micrium OS LwIP WFX200 example
- Bugfixes
- DK example deprecation notice

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# 1 New Items

## Added in release 5.9.0.0

New Micrium OS LwIP WFX200 example for SLSTK3701A.

## 2 Improvements

### Changed in release 5.9.0.0

Updated all sample apps using rtcdrv driver to use new sleeptimer service instead.

### 3 Fixed Issues

#### **Fixed in release 5.9.1.0**

Fixed warnings when building si72xx\_wheeldemo for SLSTK3400A\_EFM32HG with IAR or Keil.

#### **Fixed in release 5.9.0.0**

Sleep command in the micriumos\_shell example was not working and has been fixed.

Fixed an issue where the rangeTest, webserver, qspi\_direct and qspi\_indirect examples failed to build when opened using copy sources in Simplicity Studio.

## 4 Known Issues in the Current Release

Both Debug and Release build configurations of MCU examples define `DEBUG_EFM=1`, which enables `em_assert` functionality.

## 5 Deprecated Items

### Deprecated in release 5.9.2.0

All examples for EFM32G-DK3550, EFM32LG-DK3650, EFM32GG-DK3750 and EFM32WG-DK3850 are deprecated and will be removed in a later release.

## 6 Removed Items

### Removed in release 5.9.0.0

All nvm\_simple examples removed.



## 7 Using This Release

The 32-bit MCU SDK 5.9.3.0 is optionally installed with Gecko SDK Suite 2.7.3.0 in Simplicity Studio for EFM32 and EZR32 products. 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, under this SDK's **Release Notes** doc header.

### 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 8.30.1
- GCC (The GNU Compiler Collection) version 7.2.1 is provided with Simplicity Studio
- Keil MDK V5.25 for ARM

### 7.2 Support

Development Kit customers are eligible for training and technical support. You can 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)

## 8 Legal

### 8.1 Disclaimer

Silicon Labs intends to provide customers with the latest, accurate, and in-depth documentation of all peripherals and modules available for system and software implementers using or intending to use the Silicon Labs products. Characterization data, available modules and peripherals, memory sizes and memory addresses refer to each specific device, and "Typical" parameters provided can and do vary in different applications.

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