32-bit MCU SDK 5.9.2.0 GA

Gecko SDK Suite 2.7

February 21, 2020

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

This document covers the following SDK versions:

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

Sample application updates

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

Contents

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 5.9.2.0 is optionally installed with Gecko SDK Suite 2.7.2.0 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 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

8 Legal

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