



# 32-bit MCU SDK 6.0.1.0 GA

## Gecko SDK Suite 3.1

### January 27, 2021

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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:

6.0.1.0 released January 27, 2021 (underlying platform changes only)

6.0.0.0 released December 9, 2020

#### KEY FEATURES

- Added platform examples for EFM32 series 0 and series 1 devices
- Reduced number of sample applications for EFM32 hardware kits
- Reduced pre-compiled demo list for EFM32 hardware kits

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# 1 New Items

None

## 2 Improvements

### Changed in release 6.0.0.0

- Renamed the sample application called “helges\_demo” to “factory\_demo”, to make it more descriptive.
- The following sample applications have been modified to improve integration in Simplicity Studio 5:
  - micriumos\_canopen
  - micriumos\_net
  - micriumos\_webmic
  - si72xx\_wheeldemo

### 3 Fixed Issues

None

## 4 Known Issues in the Current Release

Issues in bold were added since the previous release. If you have missed a release, recent release notes are available on <https://www.silabs.com/products/software>.

ID #	Description	Workaround
	Both Debug and Release build configurations of MCU examples define <code>DEBUG_EFM=1</code> , which enables <code>em_assert</code> functionality.	
	<code>micriumos_lwip_wfx</code> example for <code>SLSTK3701A_EFM32GG11</code> is not compiling when using the Simplicity Studio IDE.	

## 5 Deprecated Items

None

## 6 Removed Items

### Removed in release 6.0.0.0

The following examples were removed:

biometric blink (refer to new Blink example(s)) burtc (refer to new Sleep Timer example(s)) calibrate can_board (refer to micriumos_canopen example) clock cpt007b cpt112s cslib efp emlcd (refer to new MEMLCD example(s)) emode (refer to new Power Manager example(s)) energy ezradio_per ezradio_direct_rx ezradio_direct_tx ezradio_pn9 ezradio_simple_trx ezradio_trx_ack ezradio_unmodulated_carrier flasherase freertos_blink (refer to new Blink example(s)) glib gpinterrupt humitemp iadc (refer to Silicon Labs' GitHub example(s)) inttemp inttemp_harvesting inttemp_textdisplay lcd (refer to new MEMLCD example(s)) lcd_power_modes (refer to new MEMLCD and/or Power Manager example(s)) lcsense leuart (refer to new IO Stream or UARTDRV example(s)) lightsense lightsensefft lte_xbee_device_cloud	lte_xbee_sms lte_xbee_time_server lte_xbee_time_server_bypass mbedtls_aescript (refer to new mbedTLS example) mbedtls_ecdh (refer to new mbedTLS example) mbedtls_ecdsa (refer to new mbedTLS example) micriumos_blink (refer to new Blink example(s)) micriumos_dynamic (refer to new Blink example(s)) micriumos_httpcloader micriumos_lwip_wfx micriumos_shell micriumos_usbhidmouse micriumos_usbhmisc micriumos_wifi_whiteboard mpu (refer to new Simple MPU example) nandflash persistent_trng pll pdm-led prs (refer to Silicon Labs' GitHub example(s)) pwm powertest qspi_direct qspi_indirect rangeTest rs232 rs232_isolated rs485_isolated sensor_puck spaceinvaders spectrum_analyzer spi_display textdisplay textdisplay_printf touch usb_isolated usbdcdc usbdcomposite usbdcompositehidkbd	usbdhidkbd usbdloader usbdmsd usbdpdmnic usbdphdcglucometer usbdtest usbdvud usbhenum usbhidkbd usbloader usbhmsdfatcon usbhstest usbxpress_echo usbxpress_test_panel userpage vcom watch weatherstation wstk_vcom_bridge
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## 7 Using This Release

The 32-bit MCU SDK v 6.0.x is optionally installed with Gecko SDK Suite v3.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 8.30.1
- 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. 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

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