

201027921 SE Firmware on EFR32xG21 Devices Updated to V1.2.6

Bulletin Issue Date: 10/27/2020 Effective Date: 10/27/2020

Description of Change

Silicon Labs announces Secure Element (SE) firmware version 1.2.6 for EFR32BG21 and EFR32MG21 SoCs.

Reason for Change

This is a firmware update to address a vulnerability covered in Security Advisory - A-00000114.

SE firmware version 1.2.5 and earlier have the following issue.

1. A device whose SE firmware has been successfully upgraded at least once can become inoperable if the upgrade file is removed from flash after the upgrade and the device is subjected to a large cumulative number of resets. The exact number of reset cycles before failure varies due to process variations and operating temperature but would typically range between 50,000 and 200,000 cycles. It is imperative that this fix be applied to every device to avoid latent failures.

This issue has been fixed in SE firmware version 1.2.6. Silicon Labs manufacturing production has been updated as of October 15, 2020, to apply SE version 1.2.6 so that new production devices will not have this issue.

Devices with SE firmware version 1.2.5 or earlier, should be updated to SE firmware version 1.2.6 or later. For more information on identifying the EFR32xG21 security firmware version, see AN1222 or refer to the emlib SE_getStatus() command - https://docs.silabs.com/mcu/latest/mgm21/group-SE. Firmware updates can be done during the product manufacturing process or via an over the air update for products in the field. For more information on upgrading the SE firmware, see UG266.

Product Identification

Existing Part # EFR32BG21A010F512IM32-B EFR32BG21A010F512IM32-BR EFR32BG21A010F768IM32-B EFR32BG21A010F768IM32-BR EFR32BG21A010F1024IM32-B EFR32BG21A010F1024IM32-BR EFR32BG21A020F512IM32-B EFR32BG21A020F512IM32-BR EFR32BG21A020F768IM32-B EFR32BG21A020F768IM32-BR EFR32BG21A020F1024IM32-B EFR32BG21A020F1024IM32-BR EFR32BG21B010F512IM32-B EFR32BG21B010F512IM32-BR EFR32BG21B010F768IM32-B EFR32BG21B010F768IM32-BR EFR32BG21B010F1024IM32-B EFR32BG21B010F1024IM32-BR EFR32BG21B020F512IM32-B EFR32BG21B020F512IM32-BR EFR32BG21B020F768IM32-B EFR32BG21B020F768IM32-BR EFR32BG21B020F1024IM32-B EFR32BG21B020F1024IM32-BR EFR32BG21A010M****IM32-B EFR32BG21A010M****IM32-BR EFR32MG21A010F512IM32-B

EFR32MG21A010F512IM32-BR EFR32MG21A010F768IM32-B EFR32MG21A010F768IM32-BR EFR32MG21A010F1024IM32-B EFR32MG21A010F1024IM32-BR EFR32MG21A020F512IM32-B EFR32MG21A020F512IM32-BR EFR32MG21A020F768IM32-B EFR32MG21A020F768IM32-BR EFR32MG21A020F1024IM32-B EFR32MG21A020F1024IM32-BR EFR32MG21B010F512IM32-B EFR32MG21B010F512IM32-BR EFR32MG21B010F768IM32-B EFR32MG21B010F768IM32-BR EFR32MG21B010F1024IM32-B EFR32MG21B010F1024IM32-BR EFR32MG21B020F512IM32-B EFR32MG21B020F512IM32-BR EFR32MG21B020F768IM32-B EFR32MG21B020F768IM32-BR EFR32MG21B020F1024IM32-B EFR32MG21B020F1024IM32-BR EFR32MG21A010M****IM32-B EFR32MG21A010M****IM32-BR EFR32MG21A020M****IM32-B EFR32MG21A020M****IM32-BR

This change is considered a minor change which does not affect form, fit, function, quality, or reliability. The information is being provided as a customer courtesy.

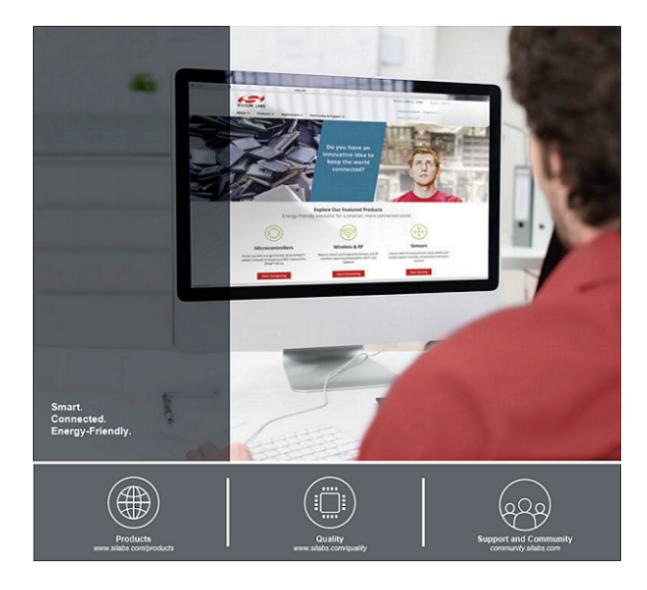
Please contact your local Silicon Labs sales representative with any questions about this notification. A list of Silicon Labs sales representatives may be found at http://www.silabs.com.

Customer Actions Needed:

Devices with SE firmware version 1.2.5 or earlier, should be updated to SE firmware version 1.2.6 or later.

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