200225730 xGM210L and xGM210P Secure Element Firmware Version 1.2.1

Bulletin Issue Date: 2/25/2020 **Effective Date:** 2/25/2020

Description of Change

Silicon Labs announces Secure Element (SE) firmware version 1.2.1 for MGM210 and BGM210 modules.

Reason for Change

A vulnerability has been discovered which allows code running on the Cortex-M33 to erase or program flash that is reserved for SE use. Although security measures such as Secure Boot and variable encoding make it difficult to implement a productive exploit of this flaw, it is possible that such an exploit could be used to gain access to sensitive data or to bypass security features.

This vulnerability has been addressed in SE firmware version 1.2.1. Modules with trace code of 2007 (YYWW) and later are updated with SE firmware version 1.2.1 and will not have this vulnerability.

Devices with SE firmware version 1.2.0 or earlier, should be updated to firmware version 1.2.1 or later. For more information on identifying the EFR32xG21 and xGM210 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

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Existing Part #
BGM210L022JIF1
BGM210L022JIF1R
BGM210L022JIF2
BGM210L022JIF2R
BGM210L022JNF1
BGM210L022JNF1R
BGM210L022JNF2
BGM210L022JNF2R
BGM210LA22JIF1
BGM210LA22JIF1R
BGM210LA22JIF2
BGM210LA22JIF2R
BGM210LA22JNF1
BGM210LA22JNF1R
BGM210LA22JNF2
BGM210LA22JNF2R
BGM210P022JIA1
BGM210P022JIA1R
BGM210P022JIA2
BGM210P022JIA2R
BGM210P022JNA2
BGM210P022JNA2R
BGM210P032JIA1
BGM210P032JIA1R
BGM210P032JIA2
BGM210P032JIA2R
BGM210P032JNA2
BGM210P032JNA2R
BGM210PA22JIA1
BGM210PA22JIA1R
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BGM210PA22JIA2
BGM210PA22JIA2R
BGM210PA22JNA2
BGM210PA22JNA2R
BGM210PA32JIA1
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BGM210PA32JIA2
BGM210PA32JIA2R
BGM210PA32JNA2
BGM210PA32JNA2R
MGM210L022JIF1
MGM210L022JIF1R
MGM210L022JIF2
MGM210L022JIF2R
MGM210L022JNF1
MGM210L022JNF1R
MGM210L022JNF2
MGM210L022JNF2R
MGM210LA22JIF1
MGM210LA22JIF1R
MGM210LA22JIF2
MGM210LA22JIF2R
MGM210LA22JNF1
MGM210LA22JNF1R
MGM210LA22JNF2
MGM210LA22JNF2R
MGM210P022JIA1
MGM210P022JIA1R
MGM210P022JIA2
MGM210P022JIA2R
MGM210P022JNA2
MGM210P022JNA2R
MGM210P032JIA1
MGM210P032JIA1R
MGM210P032JIA2
MGM210P032JIA2R
MGM210P032JNA2
MGM210P032JNA2R
MGM210PA22JIA1
MGM210PA22JIA1R
MGM210PA22JIA2
MGM210PA22JIA2R
MGM210PA22JNA2
MGM210PA22JNA2R
MGM210PA32JIA1
MGM210PA32JIA1R
MGM210PA32JIA2
MGM210PA32JIA2R
MGM210PA32JNA2
MGM210PA32JNA2R
```

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.

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Customer Actions Needed:

Review Secure Element (SE) firmware version 1.2.1

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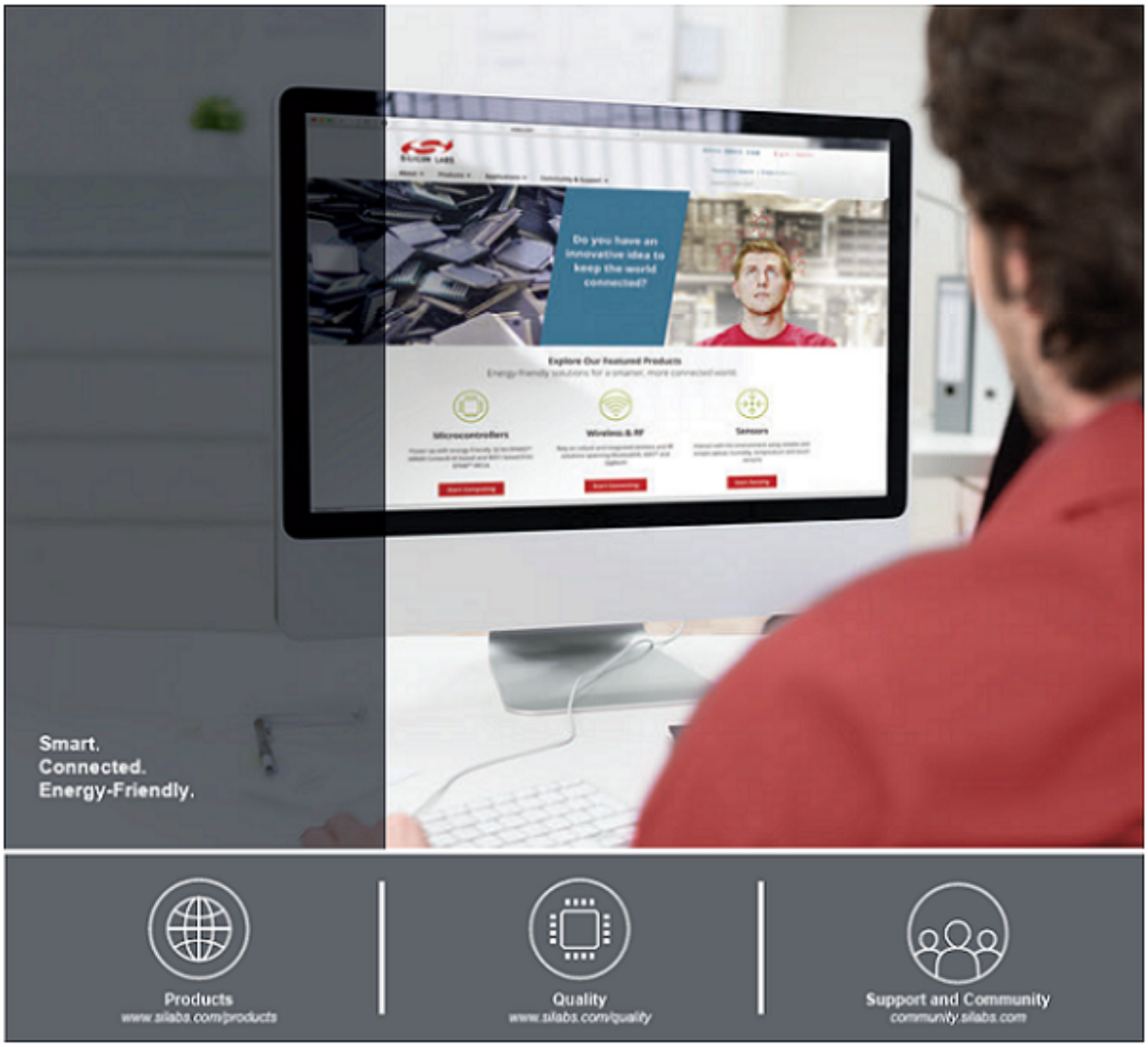

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