Silicon Labs Flex SDK 1.1.1

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1 Connect

1.1 What's New in this Release

- Added support for new boards: BRD4103A, BRD4161A, BRD4162A, BRD4163A, BRD4164A, BRD4253A, BRD4254A
- Support for Frequency Hopping on EFR32.
- 15.4 support for EFR32 PHYs based on the RAIL Library.
- OTA Unicast bootloading capability.
- The ability to build NCP images through NCP UART example applications (precompiled NCP images have been removed).
- Bootloader variants for all supported boards and the ability to compile bootloaders for custom boards.
- The ability to configure EFR32 PHYs through the Radio Configurator, which also provides the ability to customize PHYs.
- Miscellaneous bug fixes.

1.2 Known issues

- On EFR32MG12, in order to use 2.4GHz PHY, user must define CONNECT_2_4_PHY macro in their project. This can be done through Additional Macros section in Other tab, when creating a project through Simplicity Studio.

- Sensor and Sink example applications are too big to fit into EZR32HG.
- When initializing a Host example application, sometimes a single CSP timeout message is seen due to a delay in Host and NCP connection. Please ignore the message, as it should not affect the application.
- Packet Trace and the Network Analyzer are NOT supported on r55 parts. This includes EZR32LG330F256R55G and EZR32WG330F256R55G.
- The user MUST select a "kit" when creating a new Connect project in Simplicity Studio. If the kit is set as "none" the project will not compile.
- The "Korea" PHY configuration in the 915MHz band is not currently supported on board BRD4503C.
- Compilation of Jumbo/Nerio projects with GCC is not fully featured. When using GCC, the flash and ram size will be limited to the Dumbo specification.

2 RAIL

2.1 What's New in this Release

- Added support for new boards: BRD4103A, BRD4158A, BRD4161A, BRD4162A, BRD4163A, BRD4164A, BRD4253A, BRD4254A
- Updated RAIL examples to the latest RAIL API
- Integrated Thunderboard Sense sample application
- Added FIFO mode support in RAIL
- Added Simple RAIL sample applications to demonstrate RAIL with and without HAL plugin
- Miscellaneous bug fixes

2.2 Known issues

- RAIL address filtering does not work consistently with PHYs running at 1Mbps and faster.