Silicon Labs Flex SDK 1.2.0

Silicon Laboratories, Inc.

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1 Connect

1.1 What's New in this Release

- Added support for EFR32 boards: BRD4104A, BRD4158A, BRD4159A, BRD4165A, BRD4165B, BRD4167A, BRD4168A, BRD4255A, BRD4256A, BRD4304A

- Removed support for EFR32 board: BRD4300A

- Removed support for EZR32 boards: BRD4502E, BRD4503C, BRD4504A, BRD4505A, BRD4506A

- Added support for Gecko Bootloader.

- Miscellaneous bug fixes.

1.2 Known issues

- The example applications are too big to fit into EZR32HG. To run Comissioned Direct Device or Wire Replacement, use stub plugin for Diagnostic. To run Sensor or Sink, use stub plugins for Diagnostic, Stack packet counters, MAC Packet Queue and Parent Support.

- When using a PHY with 4.8kbps, an appropriate XO/TCXO will be needed for reliable communication.

- 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.

2 RAIL

2.1 What's New in this Release

- Added support for EFR32 boards: BRD4104A, BRD4158A, BRD4159A, BRD4165A, BRD4165B, BRD4167A, BRD4168A, BRD4255A, BRD4256A, BRD4304A

- Removed support for EFR32 board: BRD4300A

- Added Simple TRX with FIFO example application and moved bidirectional to Simple TRX with ACK example application.

- Miscellaneous bug fixes.

2.2 Known issues

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

- When using a PHY with 4.8kbps, an appropriate XO/TCXO will be needed for reliable communication.

- On some low data rate PHY configurations the average RSSI API may report an invalid value when called immediately after turning on the receiver.