

ANT_S212_nrf52832_0.5.0.alpha release notes

Contents

- ANT_S212_nrf52832_0.5.0.alpha 2
 - SoftDevice Properties 2
 - Compatibility 2
 - New functionality 2
 - Bug fixes 2
 - Limitations 3
- ANT_S212_nrf52832_0.3.0.alpha 4
 - SoftDevice Properties 4
 - Compatibility 4
 - New functionality 4
 - Changes 4
 - Bugfixes 4
 - Limitations 4

ANT_S212_nrf52832_0.5.0.alpha

The ANT_S212_nrf52832_0.5.0.alpha SoftDevice for the nRF52 platform is based upon the S210_nrf51422_5.0.0 SoftDevice for the nRF51 platform.

The ANT_S212_nrf52832_0.5.0.alpha is the second alpha release of ANT_S212.

SoftDevice Properties

- There is no SoftDevice Specification corresponding to this release. The S210 SoftDevice Specification v3.0.0 is applicable in large parts. It is available on the [Nordic Infocenter](#).
- This version of the SoftDevice contains the Master Boot Record (MBR) version 1.1.0-2.alpha
- The combined MBR and SoftDevice memory requirements for this version is as follows:
 - Flash: **72kB** (0x12000 bytes)
 - RAM: **2.56kB** (0xA00 bytes)

Compatibility

Tested on Eng Rev B.

New functionality

ANT functionality in the ANT_S212_nrf52832_0.5.0.alpha SoftDevice for the nRF52 platform is equivalent to the content in the Nordic ANT_S212_nrf52832_0.3.0.alpha SoftDevice.

- **SoftDevice**
 - A variable called `p_license_key` has been added to the `sd_softdevice_enable()` call for the SoftDevices that include ANT. If this license key is set incorrectly the SoftDevice will not enable. An evaluation key can be found in `nrf_sdm.h` which will enable the full stack, however you may use the evaluation key for non-commercial use only, under the terms described in the `license.pdf` file included in the root directory of the ANT_S212 .zip file. It is a requirement to obtain and use a commercial use license key with the S212 in any product that is sold or otherwise distributed for revenue-generating purposes. Commercial use license keys will be made available by ANT Wireless. Further information about obtaining a license key can be found here: <https://www.thisisant.com/developer/ant/licensing>

Bug fixes

- **SoftDevice**
 - Fixed a problem which prevented application from enabling the Floating-Point Unit (FPU) when running from the Process Stack Pointer (PSP) (DRGN-6556).

Limitations

- **SoftDevice**
 - If Radio Notifications are enabled, flash write and flash erase operations initiated through the SoftDevice API will be notified to the application as Radio Events (FORT-809).

ANT_S212_nrf52832_0.3.0.alpha

The ANT_S212_nrf52832_0.3.0.alpha SoftDevice for the nRF52 platform is based upon the S210_nrf51422_5.0.0 SoftDevice for the nRF51 platform. The ANT_S212_nrf52832_0.3.0.alpha is the first alpha release of s212.

SoftDevice Properties

- There is no SoftDevice Specification corresponding to this release. The S210 SoftDevice Specification v3.0.0 is applicable in large parts. It is available on the [Nordic Infocenter](#).
- This version of the SoftDevice contains the Master Boot Record (MBR) version 1.1.0
- The combined MBR and SoftDevice memory requirements for this version is as follows:
 - Flash: **72kB** (0x12000 bytes)
 - RAM: **2.5kB** (0xA00 bytes)

Compatibility

The ANT_S212_nrf52832_0.3.0.alpha is restricted to use with nRF52832 IC rev Engineering A.

New functionality

ANT functionality in the ANT_S212_nrf52832_0.3.0.alpha SoftDevice for the nRF52 platform is equivalent to the functionality in the S210_nrf51422_5.0.0 SoftDevice for the nRF51 platform.

Changes

- API changes from **S210_nrf51422_5.0.0**
 - New event: NRF_EVT_FLASH_OPERATION_VERIFY_FAILED, only available on nRF52
 - sd_flash_protect() has been changed to be compatible both with nRF52 and with future nRF51 releases.

Bugfixes

There are no bug fixes in this release.

Limitations

- **MBR**
 - The MBR in this release uses 12 kB of flash, meaning that the SoftDevice start address is 0x3000. This is subject to change in future releases (DRGN-5436).
- **SoftDevice**
 - If Radio Notifications are enabled, flash write and flash erase operations initiated through the SoftDevice API will be notified to the application as Radio Events (DRGN-5197).