ant_network_processor
Reference Design Release Notes

Contents

ant_network_processor v2.00

The ant_network_processor reference design is a production release of the network processor firmware for the Nordic nRF52 series. It is provided as a drop-in example Keil project for the Nordic nRF5 SDK.

Properties

This release has the following compatibility requirements:

- ANT SoftDevice
    - S212 v6.1.1 (ANT_s212_nrf52810_nrf52832_6.1.1)
    - The SoftDevice Specification for the S212 is available on the ANT website
- Nordic Software Development Kit
    - nRF5 SDK Version 15.3.0
    - The Nordic nRF5 SDK is available from the Nordic website
- The Keil project contains targets for the following D52 ANT SoC Modules:
    - D52Q
    - D52M
    - D52Q Premium
    - D52M Premium

ant_network_processor v1.00

The ant_network_processor reference design is a newly formatted production release of the network processor firmware for the Nordic nRF52 series. It is provided as a drop-in example Keil project for the Nordic nRF5 SDK.

Properties

This release has the following compatibility requirements:

- ANT SoftDevice
    - S212 v5.0.0 (ANT_S212_NRF52_5.0.0)
    - The SoftDevice Specification for the S212 is available on the ANT website
- Nordic Software Development Kit
    - nRF5 SDK Version 15.0.0
    - The Nordic nRF5 SDK is available from the Nordic website
- The Keil project contains targets for the following D52 ANT SoC Modules:
    - D52Q
    - D52M
    - D52Q Premium
    - D52M Premium

New functionality
- This is the first Network Processor reference design released as an SDK example.

- The **ant_network_processor** folder should be placed in the 'examples\ant' folder
- The SoftDevice headers should be copied into the appropriate folder under 'components\softdevice'.
- Event buffering has been added to the reference design to improve serial throughput.

Changes

- ANT_LICENSE_KEY must be defined for the project to build. An evaluation ANT_LICENSE_KEY is provided with the SoftDevice in nrf_sdm.h. You may use the evaluation key for non-commercial use only by uncommenting it.
- ANT Version (message 0x3E) returns a new ANT software prefix, **BLP**. This differentiates the reference design from manufacturing builds of the network processor.
- This release contains source changes (such as ANT message ID's) to support new functionality in the compatible SoftDevice. See the release notes packaged with the SoftDevice for more details.

Bug fixes

- None

Limitations

- Module Support
  - The Keil project contains targets for D52Q, D52M, D52Q Premium and D52M Premium.
  - For the D52DK2 starter kit, the D52Q Premium target may be used.
  - For other hardware and/or devkit modules, it is possible to redefine pins in the boardconfig.h file.

Known Issues

- None