
The BlueNRG-1, BlueNRG-2 SDK compatibility matrixes

Introduction

This document describes the BlueNRG-1, BlueNRG-2 development kits (STSW-BLUENRG1-DK) and the BlueNRG-1 development kit (STSW-BNRG_V1-DK) compatibility matrixes. Each compatibility matrix provides the following information:

- Development kit version and release date
- Development kit supported device
- Development kit supported Bluetooth Low Energy stack version
- Development kit version which can be used on the BlueNRG-1 cut 1.1 and the BlueNRG-1 cut 1.3
- Development kit version which can be used on the BlueNRG-2 cut 1.0 and the BlueNRG-2 cut 1.2

1 The BlueNRG-1, BlueNRG-2 development kit compatibility matrixes

The STSW-BLUENRG1-DK development kit supports both the BlueNRG-1 and the BlueNRG-2 devices. The following table describes the STSW-BLUENRG1-DK compatibility matrix

Table 1. STSW-BLUENRG1-DK development kit compatibility matrix

STSW-BLUENRG1-DK (1) release number	Release date	BLE stack version	BlueNRG-1 cut 1.1 ⁽²⁾	BlueNRG-1 cut 1.3 ⁽²⁾	BlueNRG-2 cut 1.0 ⁽²⁾	BlueNRG-2 cut 1.2 ⁽²⁾
3.2.1	04/30/2020	v2.1c	x	x	x	x
3.2.0	03/06/2020	v2.1b	x	x	x	x
3.1.0	12/14/2018	v2.1a	x	x	x	x
3.0.0	06/22/2018	v2.1	x	x	x	x
2.6.0	12/18/2017	v2.0	x	-	x	-
2.5.0	06/27/2017	v2.0	x	-	x	-
2.4.0	06/14/2017	v2.0	x	-	x	-
2.3.0	12/02/2016	v1.0a	x	-	x	-
2.2.0	10/07/2016	v1.0a	x	-	x	-
2.1.0	07/05/2016	v1.0	x	-	x	-

1. Customer using the STSW-BLUENRG1-DK prior to 3.0.0 with the BLUENRG-1 cut 1.3 and the BLUENRG-2 cut 1.2 may experience some problems since BOR is not enabled upon the initialization phase.
2. Refer to the device identification table for the device cut recognition

Legend:

- x = supported
- - = not supported

The STSW-BNRG_V1-DK development kit supports the BlueNRG-1 device only. The related compatibility matrix as follows:

Table 2. STSW-BNRG_V1-DK development kit compatibility matrix

STSW-BNRG_V1-DK (1) release number	Release date	BLE stack version	BlueNRG-1 cut 1.1 ⁽²⁾	BlueNRG-1 cut 1.3 ⁽²⁾	BlueNRG-2 cut 1.0 ⁽²⁾	BlueNRG-2 cut 1.2 ⁽²⁾
1.0.0	10/20/2017	v1.1	x	-	-	-

1. NRND (not recommended for new design)
2. Refer to the device identification table for the device cut recognition

Legend:

- x = supported
- - = not supported

The following table provides the device identification information about the BlueNRG-1, BlueNRG-2 devices:

Table 3. Device identification

Device	Identification information of the device ⁽¹⁾	Device cut
BlueNRG-1	0x00000111	1.1
BlueNRG-1	0x00000113	1.3
BlueNRG-2	0x00000100	1.0
BlueNRG-2	0x00000112	1.2

1. Value as read from CKGEN_SOC - DIE_ID register (0x4090001C)

Revision history

Table 4. Document revision history

Date	Version	Changes
27-Apr-2020	1	Initial release.
04-May-2020	2	Updated Table 1. STSW-BLUENRG1-DK development kit compatibility matrix.

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