

Please accept this document as confirmation of the EMVCo Security Evaluation Process.

**Certificate Number :** ICCN0259

**Date of issuance** 22 Nov 2018

**Expiry Date:** 22 Nov 2024

**Company:** NXP Semiconductors Germany GmbH

**Address:** Beiersdorfstraße 12  
Hamburg 22529 Germany

**Master Component:** N7121

**Hardware Revision:** B1-I

Child Lot 1: -

Child Lot 2: -

Child Lot 3: -

Child Lot 4: -

Child Lot 5: -

**Manufacturing site(s):** GlobalFoundries, Singapore (GF7) and Dresden (GF1)

**Firmware name / version:** Firmware v9.2.3, System Mode OS v13.2.3, Flashloader OS v1.2.5

**Crypto. library name / version:** v0.7.6

**Other libraries name / version:** Flashloader lib. v3.6.0, Comm. lib. v6.0.0, CRC lib. v1.1.8, Mem. lib. v1.2.3

**Bootloader name / version:** -

**Security Laboratory:** Brightsight (until 2019), TÜVIT

**Conditions of Certification:** Guidance document(s) must be followed.

Signed by:

Alan Mushing, SEWG Chair  
EMVCo, LLC

Disclaimer: Although the secure implementation of any security mechanisms and product functionalities may be evaluated, the EMVCo Security Evaluation Process does not validate the cryptographic algorithms, methods and protocols themselves nor the absence of flaws or defects in the specifications used for product development.

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#### User Guidance Documents:

- NXP Secure Smart Card Controller N7121, Information on Guidance and Operation, v3.2, 28 May 2019
- N7121 Crypto Library, Information on Guidance and Operation, v3.4, 04 May 2022
- NXP Secure Smart Card Controller N7121, Overview, Product Data Sheet, v3.3, 15 Apr 2020
- NXP Secure Smart Card Controller N7121 Instruction Set Manual, v3.0, 23 Nov 2018
- NXP Secure Smart Card Controller N7121 Chip Health Mode, v3.1, 30 Jun 2020
- NXP Secure Smart Card Controller N7121 Peripheral Configuration and Use, v3.2, 18 Feb 2020
- NXP Secure Smart Card Controller N7121 Flashloader OS, v3.0, 1 Nov 2018
- NXP Secure Smart Card Controller N7121 MMU configuration & FW interface, v3.7, 10 Sep 2021
- NXP Secure Smart Card Controller N7121 Shared OS libraries, v3.2, 30 Oct 2019
- NXP Secure Smart Card Controller N7121 NXP System Mode OS, v3.6, 10 Sep 2021
- SmartMX3 family N7121 Wafer and delivery specification, v3.3, 27 Aug 2021
- N7121 Crypto Library, Symmetric Cipher Library, v1.4, 19 Sep 2018
- N7121 Crypto Library, SHA Library, v1.1, 20 Mar 2018 / Hash Library, v1.2, 20 Mar 2018
- N7121 Crypto Library, RSA Library, v1.4, 28 Mar 2019 / RSA Key Generation Library, v1.3, 11 Oct 2018
- N7121 Crypto Library, KeyStoreMgr Library, v1.1, 19 Sep 2018 / ECC over GF(p) Library, v2.3, 04 May 2022
- N7121 Crypto Library, RNG Library, v1.2, 9 Nov 2018 / Utils Library, v1.1, 2 Feb 2018
- N7121 Crypto Library, UtilsAsym Library, v1.3, 13 Apr 2018
- SmartMX3 N7121 I2C Device Identification, v1.0, 30 Nov 2018

#### Certification Reference Documents:

- EMVCo Security Evaluation Process, v5.3, December 2022
- Security Guidelines for Smart Card Integrated Circuits, v2.2, December 2022

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