

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

Certificate Number : ICCN0288

Date of issuance 07 Apr 2022

Expiry Date: 07 Apr 2026

Company: NXP Semiconductors Germany GmbH

Address: Beiersdorfstraße 12
Hamburg 22529 Germany

Master Component: N7122

Hardware Revision: A1

Child Lot 1: -
Child Lot 2: -
Child Lot 3: -
Child Lot 4: -
Child Lot 5: -

Manufacturing site(s): GlobalFoundries Singapore (Fab 7) / GlobalFoundries Dresden (Fab 1)

Firmware name / version: IC Dedicated & Support Software v11.6.5; IC Dedicated Firmware Extension v07;
Mem Lib v1.2.3.1

Crypto. library name / version: Crypto Library v1.1.2; CRC Lib v1.1.8

Other libraries name / version: FL OS v1.3.3 (COS); Comm Lib v7.10.3 (COS) v7.10.2 (NOS); FL Lib v3.10.0 (COS)

Bootloader name / version: Boot Software v11.6.5

Security Laboratory: TÜVIT

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

Authorized by: Alan Mushing
Security Evaluation Working Group Chair
EMVCo, LLC
Date: 17 Mar 2025

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:

- N7122, UM11590 - Information on Guidance and Operation of N7122, Rev. 1.5, 20 Dec 2024
- N7122 Crypto Library, Information on Guidance and Operation, Rev. 1.9, 26 Feb 2025
- N7122, Overview, Product Data Sheet, Rev. 0.1, 31 Mar 2021
- N7122 – Instruction Set Manual, Rev. 0.2, 29 Mar 2021
- N7122 - Chip Health Mode, Rev. 0.2, 29 Mar 2021
- N7122 - Peripheral Configuration and Use, Rev. 0.2, 12 Apr 2021
- N7122 - Flashloader OS, Rev. 0.4, 10 Feb 2022
- N7122 - MMU Configuration & NXP Firmware Interface Specification, Rev. 1.0, 16 Mar 2023
- N7122 - Shared OS Libraries, Rev. 0.4, 10 Feb 2022
- N7122 – Wafer and Delivery Specification, Rev. 1.2, 12 May 2023
- N7122 Crypto Library, SymCfg User Manual, Rev. 1.4, 6 Jan 2025
- N7122 Crypto Library, SHA User Manual, Rev. 1.2, 11 Dec 2024 / Hash User Manual, Rev. 1.2, 17 Dec 2024
- N7122 Crypto Library, Rsa User Manual, Rev. 1.3, 6 Jan 2025
- N7122 Crypto Library, RSA Key Generation User Manual, Rev. 1.3, 6 Jan 2025
- N7122 Crypto Library, KeyStoreMgr User Manual, Rev. 1.4, 7 Jan 2025
- N7122 Crypto Library, ECC over GF(p) User Manual, Rev. 1.3, 19 Dec 2024
- N7122 Crypto Library, RNG User Manual, Rev. 1.2, 23 Dec 2024/ Utils User Manual, Rev. 1.2, 9 Dec 2024
- N7122 Crypto Library, UtilsAsym User Manual, Rev. 1.2, 6 Jan 2025
- N7122 Crypto Library, Korean SEED User Manual, Rev. 1.2, 6 Jan 2025

Certification Reference Documents:

- EMVCo Security Evaluation Process, v5.4, July 2024
- Security Guidelines for Smart Card Integrated Circuits, v2.2, December 2022

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