IC Security Evaluation Certificate

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

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