

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

Certificate Number : ICCN0308

Date of issuance 13 Jun 2024

Expiry Date: 13 Jun 2027

Company: NXP Semiconductors Germany GmbH

Address: Beiersdorfstraße 12
Hamburg 22529 Germany

Master Component: N7123

Hardware Revision: A0

Child Lot 1: -

Child Lot 2: -

Child Lot 3: -

Child Lot 4: -

Child Lot 5: -

Manufacturing site(s): GlobalFoundries Dresden (Fab 1)

Firmware name / version: IC Dedicated & Support Software v12.0.2; Mem Lib v1.3.1.0

Crypto. library name / version: Crypto Library v1.0.0; CRC Lib v1.1.8

Other libraries name / version: Flashloader OS v1.3.4 (COS); Communication Lib v7.13.1 (COS) v7.13.2 (NOS); Flash Loader Lib v3.10.0 (COS)

Bootloader name / version: Boot Software v12.0.2

Security Laboratory: TÜVIT

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

Authorized by: Alan Mushing
Security Evaluation Working Group Chair
EMVCo, LLC

Date: 20 May 2026

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.

The ICCN number must be mentioned to all vendors or when shipping the product. The use of the ICCN number is limited to the product as detailed below. Please also reference the ICCN number in any communication with EMVCo.

The EMVCo Security Evaluation Process is intended to provide valuable and practical information relating to the general security performance characteristics and the suitability of use for smart card related products and IC chip-based tokens. The EMVCo Security Evaluation Process is designed to ensure a robust security foundation for these products at the product family and component level. The EMVCo Security Evaluation Process is an evolving process in relation to new attack techniques and technology. EMVCo therefore reserves the right to perform new/random security testing throughout the lifetime of the card which may impact certification. The full terms and conditions upon which EMVCo Compliance Certificates are issued by EMVCo are contained in the EMVCo Security Evaluation Process Document and the EMVCo Security Evaluation Certification Contract. The Product Provider, when distributing this EMVCo Compliance Certificate, shall deliver it in its entirety.

User Guidance Documents:

- UM11903, N7123 Information on Guidance and Operation, Rev. 1.2, 02 Jul 2025
- N7123 Crypto Library, Information on Guidance and Operation, Rev. 1.4, 20 Apr 2026
- N7123, SmartMX3 family N7123 overview, Rev. 2.0, 19 Jun 2024
- AD00027, NXP Secure Smart Card Controller N7123 Instruction Set Manual, Rev. 3.0, 25 Jun 2025
- NXP Secure Smart Card Controller N7123, Chip health mode, Rev. 1.0, 19 Jan 2024
- AD00022, NXP Smart Card Controller N7123 Peripheral Configuration and Use, Rev. 1.0, 31 Jan 2024
- NXP Secure Smart Card Controller N7123, MMU Configuration and NXP Firmware Interface Specification, Rev. 1.1, 4 May 2024
- NXP Secure Smart Card Controller N7123, Shared OS Libraries, Rev. 1.0, 19 Jan 2024
- AD00038, N7123 Wafer and delivery specification, Rev. 1.0, 22 Jan 2024
- NXP Secure Smart Card Controller N7123, NXP secure smart card controller System Mode OS, Rev. 1.1, 4 May 2024
- N7123 Crypto Library, ECC over GF(p) User Manual, Rev. 1.2, 7 Jun 2024
- N7123 Crypto Library, ECDAA Library User Manual, Rev. 1.2, 7 Jun 2024
- N7123 Crypto Library, Hash User Manual, Rev. 1.2, 7 Jun 2024
- N7123 Crypto Library, KeyStoreMgr User Manual, Rev. 1.2, 7 Jun 2024
- N7123 Crypto Library, Korean SEED User Manual, Rev. 1.3, 7 Jun 2024
- N7123 Crypto Library, RNG User Manual User Manual, Rev. 1.2, 7 Jun 2024
- N7123 Crypto Library, RSA User Manual, Rev. 1.2, 7 Jun 2024
- N7123 Crypto Library, RSA Key Generation User Manual, Rev. 1.2, 7 Jun 2024
- N7123 Crypto Library, SHA User Manual, Rev. 1.2, 7 Jun 2024
- N7123 Crypto Library, SymCfg User Manual, Rev. 1.2, 7 Jun 2024
- N7123 Crypto Library, Utils User Manual, Rev. 1.2, 7 Jun 2024
- N7123 Crypto Library, UtilsAsym User Manual, Rev. 1.2, 7 Jun 2024

Certification Reference Documents:

- EMVCo Security Evaluation Process, v5.5, January 2026
- Security Guidelines for Smart Card Integrated Circuits, v2.2, December 2022

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.

The ICCN number must be mentioned to all vendors or when shipping the product. The use of the ICCN number is limited to the product as detailed below. Please also reference the ICCN number in any communication with EMVCo.

The EMVCo Security Evaluation Process is intended to provide valuable and practical information relating to the general security performance characteristics and the suitability of use for smart card related products and IC chip-based tokens. The EMVCo Security Evaluation Process is designed to ensure a robust security foundation for these products at the product family and component level. The EMVCo Security Evaluation Process is an evolving process in relation to new attack techniques and technology. EMVCo therefore reserves the right to perform new/random security testing throughout the lifetime of the card which may impact certification. The full terms and conditions upon which EMVCo Compliance Certificates are issued by EMVCo are contained in the EMVCo Security Evaluation Process Document and the EMVCo Security Evaluation Certification Contract. The Product Provider, when distributing this EMVCo Compliance Certificate, shall deliver it in its entirety.