IC Security Evaluation Certificate

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

Certificate Number : ICCN0273

Date of issuance 22 Jun 2020   **Expiry Date:** 22 Jun 2026

Company: Samsung Electronics Co., Ltd.

Address: 1-1, Samsungjeonja-ro

Hwaseong-si

Gyeonggi-Do   18448   Republic of Korea

Master Component: S3D384C

Hardware Revision: Rev. 1 & 2

Child Lot 1: S3D352C

Child Lot 2: S3D300C

Child Lot 3: S3D264C

Child Lot 4: S3D232C

Child Lot 5: S3K384C

Manufacturing site(s): Samsung Giheung (line S1), Yongin City, South Korea

Firmware name / version: Test ROM Code, v1.0 (out of the TOE)

Crypto. library name / version: AT1 secure RSA/ECC/SHA library v4.02, v4.03, v4.04 & v4.05

Other libraries name / version: Optional DTRNG FRO M library v2.2 & v3.1/v3.2/v3.4

Bootloader name / version: Secure Boot loader code v0.3

Security Laboratory: Leti

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

Authorized by: Alan Mushing
Security Evaluation Working Group Chair
EMVCo, LLC
Date: 05 Aug 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.   .

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:

- S3D384C/S3D352C/S3D300C/S3D264C/S3D232C/S3K384C HW DTRNG FRO M and DTRNG FRO M Library Application Note, v1.5 (for lib v2.2), 01 Jul 2024

- S3D384C/S3D352C/S3D300C/S3D264C/S3D232C/S3K384C HW DTRNG FRO M and DTRNG FRO M Library Application Note, v2.4 (for lib v3.4), 01 Jul 2024

- S3D384C/S3D352C/S3D300C/S3D264C/S3D232C/S3K384C HW DTRNG FRO M and DTRNG FRO M Library Application Note, v2.3 (for lib v3.2), 01 Jul 2024

- S3D384C/S3D352C/S3D300C/S3D264C/S3D232C/S3K384C HW DTRNG FRO M and DTRNG FRO M Library Application Note, v2.2 (for lib v3.1), 01 Jul 2024

- AT1 RSA/ECC/SHA Library API Manual for AT1 secure RSA/ECC/SHA library v4.02, v4.09, 03 Jul 2024

- AT1 RSA/ECC/SHA Library API Manual for AT1 secure RSA/ECC/SHA library v4.03, v4.16, 03 Jul 2024

- AT1 RSA/ECC/SHA Library API Manual for AT1 secure RSA/ECC/SHA library v4.04, v4.171, 17 Jun 2025

- AT1 RSA/ECC/SHA Library API Manual for AT1 secure RSA/ECC/SHA library v4.05, v4.18, 10 Apr 2025

- S3D384C Series - Hardware User's manual, v0.05, October 2020

- Security Application Note for S3D384C family, v1.0, 14 Jul 2025

- S3D384C/S3D352C/S3D300C/S3D264C/S3D232C/S3K384C Chip Delivery Specification (H/W version: Rev 1), v0.4, March 2022

- S3D384C Series Bootloader Specification, v0.4, 11 Jun 2025

- SC000 Reference Manual, v0.0, 13 Oct 2016

Certification Reference Documents:

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