



EMVCo Product Approval (IC)

Please accept this document as confirmation of the EMVCo Security Evaluation process

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.

ICCN: ICCN0273

Date ICCN issued: 22 Jun 2020

ICCN Expiry Date: 22 Jun 2022

Company: Samsung Electronics Co., Ltd.

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

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

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

Security Laboratory: Leti

User Guidance:

- S3D384C/S3D352C/S3D300C/S3D264C/S3D232C/S3K384C HW DTRNG FRO M & DTRNG FRO M Library Application Note, v1.3 (for lib v2.2), 9 Apr 2021
- S3D384C/S3D352C/S3D300C/S3D264C/S3D232C/S3K384C HW DTRNG FRO M & DTRNG FRO M Library Application Note, v2.0 (for lib v3.1), 9 Apr 2021
- AT1 RSA/ECC/SHA Library API Manual, v4.03, 11 Apr 2020
- S3D384C Series - Hardware User's manual, v0.05, October 2020
- Security Application Note for S3D384C family, v0.6, 5 Feb 2021
- S3D384C/S3D352C/S3D300C/S3D264C/S3D232C/S3K384C Chip Delivery Specification (H/W version: Rev 1), v0.3, May 2020
- S3D384C Series Bootloader Specification, v0.3, 27 May 2020
- SC000 Reference Manual, v0.0, 13 Oct 2016

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

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 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.