



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: ICCN0240

Date ICCN issued: 28 Oct 2016

ICCN Expiry Date: 28 Oct 2021

Company: Samsung Electronics Co., Ltd.

Master Component: S3K170A

Hardware Revision: Rev. 0

Child Lot 1: S3K140A

Child Lot 2: -

Child Lot 3: -

Child Lot 4: -

Child Lot 5: -

Manufacturing site(s): Giheung (Fab 6), Yongin-City, South Korea

Firmware name / version: Test ROM Code v1.0

Crypto. library name / version: AT1 Secure RSA/SHA/ECC Library v1.03, v2.01, v2.04 & v2.05

Other libraries name / version: DTRNG FRO library v1.0, v2.0 & v2.2, EHP DTRNG FRO library v1.0 & v1.2

Bootloader name / version: System API & Secure Boot loader code v0.0

Security Laboratory: Leti

User Guidance:

- DTRNG FRO and DTRNG FRO Library Application Note, v1.42, 10 Sep 2020 (for Lib. v1.0)
- DTRNG FRO and DTRNG FRO Library Application Note, v1.62, 10 Sep 2020 (for Lib. v2.0)
- DTRNG FRO and DTRNG FRO Library Application Note, v2.0, 24 Jul 2019 (for Lib. v2.2)
- DTRNG FRO and EHP DTRNG FRO Library Application Note, v1.42, 10 Sep 2020 (for Lib. v1.0)
- DTRNG FRO and EHP DTRNG FRO Library Application Note, v2.0, 24 Jul 2019 (for Lib. v1.2)
- AT1 RSA/ECC Library API Manual, v1.07, 30 Jan 2020 (for AT1 Lib. v1.03)
- AT1 RSA/ECC Library API Manual, v2.04, 30 Jan 2020 (for AT1 Lib. v2.01)
- AT1 RSA/ECC Library API Manual, v3.001, 10 Sep 2020 (for AT1 Lib. v2.04)
- AT1 RSA/ECC Library API Manual, v3.01, 10 Sep 2020 (for AT1 Lib. v2.05)
- S3D350A Families User's manual, v0.94, 10 Oct 2019
- Security Application Note For S3D350A Family, S3K250A Family, S3K170A Family, v1.3, 21 Aug 2020
- Chip Delivery Specification, v1.2, January 2017
- S3D350A Series Boot Loader Specification, v1.5, 4 Mar 2019
- S3D350A Families System API Application Note, v0.91, 13 Dec 2018
- 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.