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Certificate Number : ICCN0282

Date of issuance 01 Sep 2021

Expiry Date: 01 Sep 2026

Company: Samsung Electronics Co., Ltd.

Address: 1-1, Samsungjeonja-ro
Hwaseong-si
Gyeonggi-Do 18448 Republic of Korea

Master Component: S3B512C/SC3512C

Hardware Revision: rev. 1

Child Lot 1: -
Child Lot 2: -
Child Lot 3: -
Child Lot 4: -
Child Lot 5: -

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

Firmware name / version: Test ROM Code v1.0

Crypto. library name / version: ATP1 secure RSA/ECC/SHA library v1.00, v1.02, v1.03 & v1.04

Other libraries name / version: DTRNG FRO M library v1.3, v1.7 & v1.8, Fingerprint library v0.4, v1.0, v2.0 & v2.1

Bootloader name / version: Secure Boot loader Code v0.1

Security Laboratory: Leti

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

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

Date: 09 Sep 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.

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User Guidance Documents:

- S3B512C HW DTRNG FRO M and DTRNG FRO M Library v1.3 Application Note, v2.21, 29 Aug 2024
- S3B512C HW DTRNG FRO M and DTRNG FRO M Library v1.7 Application Note, v2.31, 29 Aug 2024
- S3B512C HW DTRNG FRO M and DTRNG FRO M Library v1.8 Application Note, v2.41, 29 Aug 2024
- ATP1 RSA/ECC/SHA Library v1.00 API Manual, v1.036, 25 Aug 2025
- ATP1 RSA/ECC/SHA Library v1.02 API Manual, v1.14, 25 Aug 2025
- ATP1 RSA/ECC/SHA Library v1.03 API Manual, v1.22, 25 Aug 2025
- ATP1 RSA/ECC/SHA Library v1.04 API Manual, v1.31, 25 Aug 2025
- User's manual S3B512C SE Secure Element, v0.03, June 2021
- Security Application Note For S3B512C Secure Element, v1.0, 26 Aug 2025
- S3B512C/SC3512C Chip Delivery Specification, v0.4, August 2024
- S3B512C Boot Loader Specification, v0.3, 26 Aug 2025
- SC000 Reference Manual, v0.0, 13 Oct 2016
- S3B512C Fingerprint Library v0.4 Coding Guidance, v0.031, August 2024
- S3B512C Fingerprint Library v1.0 Coding Guidance, v0.051, August 2024
- S3B512C Fingerprint Library v2.0 Coding Guidance, v0.061, August 2024
- S3B512C Fingerprint Library v2.1 Coding Guidance, v0.071, August 2024

Certification Reference Documents:

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

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