



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: ICCN0257

Date ICCN issued: 10 Aug 2018

ICCN Expiry Date: 10 Aug 2022

Company: Infineon Technologies AG

Master Component: IFX_ECI_22h[1h-1Eh]

Hardware Revision: G12

Child Lot 1: IFX_ECI_24h[1h-4h]

Child Lot 2: IFX_ECI_3Ah[1h-3h]

Child Lot 3: IFX_ECI_4Ch[1h-2h]

Child Lot 4: -

Child Lot 5: -

Manufacturing site(s): TSMC Tainan, Taiwan

Firmware name / version: 80.102.06.0 or 80.102.06.1

Crypto. library name / version: ACL v2.07.003 & v2.08.007, SCL v2.04.002 & v2.13.001, HCL v1.12.001

Other libraries name / version: HSL v03.11.8339 & v03.12.8812, NRG SW v02.03.3446, CIPURSE™ v02.00.0004

Bootloader name / version: Included in firmware

Security Laboratory: TÜVIT

User Guidance:

- 16-bit Security Controller Family -V05, Hardware Reference Manual (HRM), Rev 5.0, 14 Jun 2019
- Production and Personalization, 16-bit Security Controller in 65nm, Rev 3.6, 24 Jun 2019
- 16-bit Security Controller, 65-nm Technology, Programmer's Reference Manual (PRM), Rev. 9.14, 3 Dec 2019
- CL52 Asymmetric Crypto Library for Crypto@2304T, RSA/ECC/Toolbox, 16-bit Security Controller, User Interface, v2.07.003, 1 Jul 2021
- CL52 Asymmetric Crypto Library for Crypto@2304T, RSA/ECC/Toolbox, 16-bit Security Controller, User Interface, v2.08.007, 1 Jul 2021
- 16-bit Security Controller, Crypto@2304T V3, User Manual, Rev. 1.4.1, 10 Nov 2014
- 16-bit Security Controller - V05, Security Guidelines, v1.01-2597, 20 Aug 2020
- 16-bit Security Controller - V05, Errata Sheet, Rev. 10.0, 25 Feb 2021
- Hardware Support Library for SLCx2 (HSL), User Guidance, v03.11.8339, 12 Jul 2018
- Hardware Support Library for SLCx2 (HSL), User Guidance, v03.12.8812, 8 Jul 2019
- SCL52-SCP-v4-C65 Symmetric Crypto Library for SCP-v4 DES / AES, 16-bit Security Controller, User Interface, v2.04.002, 22 May 2018
- SCL52-SCP-v4-C65 Symmetric Crypto Library for SCP-v4, AES/DES/MAC, 16-bit Security Controller, User interface, v2.13.001, 5 Nov 2020
- HCL52-CPU-C65, Hash Crypto Library for CPU, SHA, 16-bit Security controller, User interface manual, v1.12.001, 14 Jan 2020

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.