SLE 77CLF1001P(M)

Description

Bundling Infineon's long-standing experience in contactless applications, the SLE 77CLF1001P(M) is the ideal platform when outstanding contactless performance is required. Highlights include:

- NVM in SOLID FLASH™ for record time-to-market
- Common Criteria EAL 5+

Features

- 100 kByte SOLID FLASH™
- 4 kByte RAM
- 27pF chip capacity

Applications

- Transport Ticketing
- Access Control
- Micropayment
- Basic ID application

Parametrics

Product name	SLE 77CLF1001P(M)
Product description	Dual-interface and Contactless Security Cryptocontroller
Interfaces	ISO 7816, ISO 14443 A/B, ISO 18092 passive mode, optional NRG™ interface
Memory	100 kByte SOLID FLASH™ 4 kByte RAM
CPU	16-bit
Symmetrical cryptography	DES, 3DES, AES up to 256-bit
Asymmetrical cryptography	RSA up to 4096-bit, ECC up to 521-bit
RNG	Hybrid Random number generator (HRNG, consisting of TRNG/PRNG) – according to BSI AIS20/31
Ambient temperature	-25 to + 85 °C
Data retention	Typical data retention of minimum 10 years @ 25 °C
Delivery forms	Dual interface module, Contactless module, Wafer sawn
Typical applications	Transport Ticketing, Access Control, Micropayment Basic, ID application
Certification level	CC EAL5+ high

For further information on technology, delivery forms and conditions please contact your nearest Infineon Technologies sales representative (www.infineon.com)

Published by
Infineon Technologies AG
Am Campeon 1-15, 85579 Neubiberg
Germany

© 2025 Infineon Technologies AG
All rights reserved.

Public

Date: 07/2025

Please note!
This Document is for information purposes only and any information given herein shall in no event be regarded as a warranty, guarantee or description of any functionality, conditions and/or quality of our products or any suitability for a particular purpose. With regard to the technical specifications of our products, we kindly ask you to refer to the relevant product data sheets provided by us. Our customers and their technical departments are required to evaluate the suitability of our products for the intended application.

We reserve the right to change this document and/or the information given herein at any time.

Additional information
For further information on technologies, our products, the application of our products, delivery terms and conditions and/or prices, please contact your nearest Infineon Technologies office (www.infineon.com).

Warnings
Due to technical requirements, our products may contain dangerous substances. For information on the types in question, please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by us in a written document signed by authorized representatives of Infineon Technologies, our products may not be used in any life-endangering applications, including but not limited to medical, nuclear, military, life-critical or any other applications where a failure of the product or any consequences of the use thereof can result in personal injury.

Scan QR code and explore offering
www.infineon.com