

SLI37CMA1M0

Short Product Overview

Features


- 32-bit -ARM® SecurCore™ SC300™ at 100MHz
- 1 MB kByte SOLID FLASH™ Memory
- 48 kByte RAM
- ISO7816, SWP, SPI, I²C and GPIOs
- Temperature Range: -40°C to +105°C
- Certification: CC EAL 6+ high (IFX_CCI_00005A_H)
- AEC-Q100 Grade 2

Applications

- Automotive eUICC, eCall
- Trust anchor in diverse automotive use cases

Description

The SLI37 SOLID FLASH™ family is Infineon's state-of-the-art generation of 32-bit ARM-based Security Controller – V21 optimized for automotive security applications. The SLI37 controllers are qualified according to AEC-Q100; they are tailored to the difficult environmental conditions of automotive environments and pass through exhaustive quality gates to minimize failure rates. Being certified according to Common Criteria EAL6+ high, the SLI37 family meets both the stringent requirements of the automotive industry as well as the highest security levels for the implementation of security applications in cars.

Product name	SLI37CMA1M0  Solid Flash™
Product description	Security cryptocontroller optimized for automotive eSIM applications
Interfaces	ISO7816, SWP, SPI, I ² C and GPIOs
Memory	1 MB kByte SOLID FLASH™ 48 kByte RAM
CPU	32-bit -ARM® SecurCore™ SC300™ @100 MHz and 2 kByte Cache
Symmetrical cryptography	Symmetric Crypto Processor (SCP): AES up to 256-bit, DES, 3DES
Asymmetrical cryptography	High Performance Cryptographic Engine (Crypto@2304T) for PKI and ECC calculations: RSA up to 4096-bit, Elliptic Curves up to 521-bit
Ambient temperature	-40 to +105 °C
NVM Endurance	Minimum 3.2M write operations and 200k erase operations per page (values depend on software implementation).
Typical Data Retention	17 years @ 25°C and 105 °C
Delivery forms	MFF2 (VQFN-8-4/6), VQFN-32-13/20
Typical applications	eSIM for automotive applications, eCall
Certification level	CC EAL 6+ high (IFX_CCI_00005A _H)

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

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