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 familiy 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 ℃
NVM Endurance	Minimum 3.2M write operations and 200k erase operations per page (values depend on software implementation).
Typical Data Retention	17 years @ 25℃ and 105 ℃
Delivery forms	MFF2 (VQFN-8-4/6), VQFN-32-13/20
Typical applications	eSIM for automotive appplications, 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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