

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RA*-A0095A/E	Rev.	1.00
Title	RA4M2 Group, RA4M3 Group, RA6M4 Group, RA6M5 Group, correction of Secure Cryptographic Engine (SCE9)		Information Category	Technical Notification		
Applicable Product	RA4M2 Group RA4M3 Group RA6M4 Group RA6M5 Group	Lot No.	Reference Document	RA4M2 Group User's Manual Hardware Rev.1.30 RA4M3 Group User's Manual Hardware Rev.1.40 RA6M4 Group User's Manual Hardware Rev.1.30 RA6M5 Group User's Manual Hardware Rev.1.30		
		All				

The descriptions of Secure Cryptographic Engine (SCE9) is corrected.

36.1 Overview for RA4M2, RA4M3

39.1 Overview for RA6M4

42.1 Overview for RA6M5

[Before]

The Secure Cryptographic Engine (SCE9) consists of the access management circuit, encryption engine, and random number generation circuit. In combination with the SCE9 library, the SCE9 can prevent eavesdropping (to maintain confidentiality), falsification of information (to ensure integrity), and impersonation (to verify authenticity). Because key information required for encryption and decryption is stored only in the SCE9 and all accesses from the outside can be blocked, SCE9 enables building a more robust security system.

Only access control circuit, random number generation circuit, and unique ID are supported. The operation of other circuits is not guaranteed.

[After]

The Secure Cryptographic Engine (SCE9) consists of the access management circuit, encryption engine, and random number generation circuit. In combination with the SCE9 library, the SCE9 can prevent eavesdropping (to maintain confidentiality), falsification of information (to ensure integrity), and impersonation (to verify authenticity). Because key information required for encryption and decryption is stored only in the SCE9 and all accesses from the outside can be blocked, SCE9 enables building a more robust security system.

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