

by: NXP Semiconductors

1 Introduction

The Cryptographic Services Engine2 (CSE2) is a peripheral module that implements the security functions described in the Secure Hardware Extension (SHE) Functional Specification Version 1.1. The CSE2 design includes a host interface with a set of memory mapped registers that are used by the CPU to issue commands and a system bus interface that allows the CSE2 to directly access system memory.

This application note lists the NXP chips that implements the latest version of CSE2 with Crypto library.

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2 CSE2 chips

The following table lists the chips with the latest CSE2 firmware.

Table 1. CSE2 chips

Chip name	Previous firmware	New firmware
MPC5777C MPC5775E MPC5775B	2.07	2.08
S32R27	2.07	2.08
SAC57D54H	2.07	2.08
S32R37	–	2.08

3 Cryptographic algorithm validation program

The following table list the validation number for the firmware 2.08. For more information refer to the following [link](#).

Validation	Capabilities	Firmware validated	Earlier Firmware with identical source code
C1445	AES-CBC AES-ECB	2.08	2.07



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For sales office addresses, please send an email to: salesaddresses@nxp.com

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