

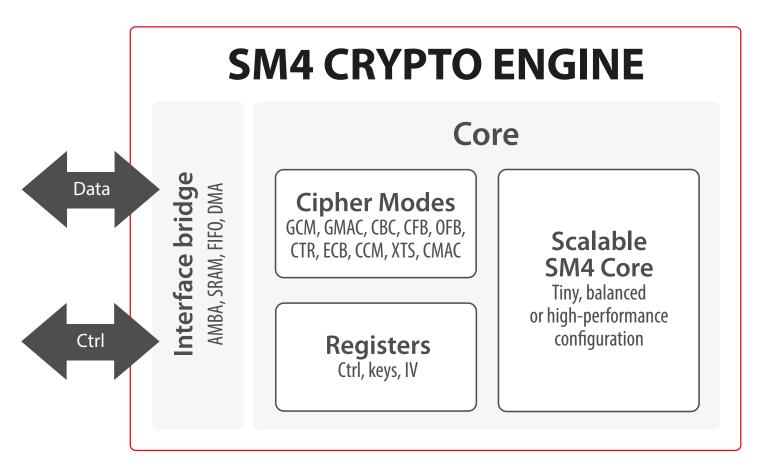
PRODUCT SHEET

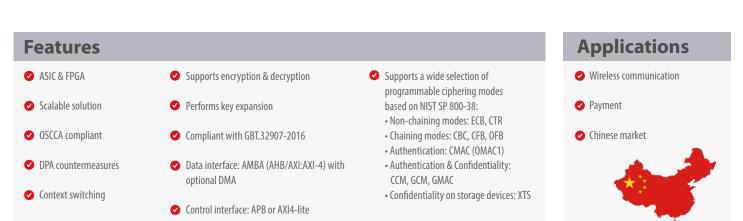
Securyzr[™] > Securyzr[™] Secure HW Solutions > Securyzr[™] Security IP > Tunable Crypto > Symmetric > SCZ_IP_BA419

SM4 CRYPTO ENGINE

The SM4 crypto engine includes a generic & scalable implementation of the SM4 algorithm which is the block cipher standard of China.

It is compliant with the GBT.32907-2016 specification and can support several cipher modes including authenticated encryption. It is portable to ASIC and any FPGA's. This algorithm has been adopted in TPM2.0 of the Trust Computing Group (TCG) standard.





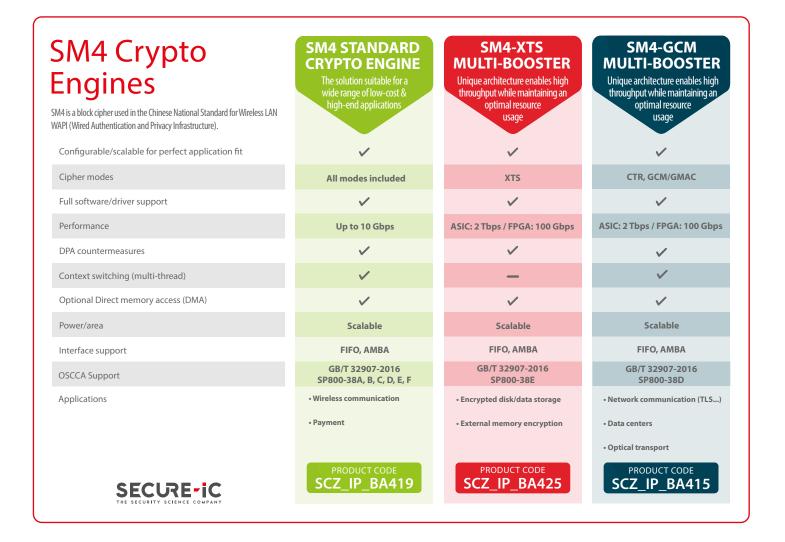
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Implementation aspects

The SM4 crypto engine is easily portable to ASIC and FPGA. It supports a wide range of applications on various technologies. The unique architecture enables a high level of flexibility. The IP Core is available in the Crypto Coprocessors (SCZ_IP_BA450 / 456 / 457) and the Secure Element/Root of Trust/HSM (SCZ_iSE_100_BA470) from Secure-IC.



For other SM4 solutions, please see dedicated product sheets: **SM4-XTS Multi-Booster** (SCZ_IP_BA425) and **SM4-GCM Multi-Booster** (SCZ_IP_BA415).



CONTACT US

www.secure-ic.com



HEADQUARTERS

Digital Park B - ZAC Atalante Via Silva 801 avenue des Champs Blancs 35510 Cesson-Sévigné - France +33 (0)2 99 12 18 72 - contact@secure-ic.com EMEA sales-EMEA@secure-ic.com

> AMERICAS sales-US@secure-ic.com

APAC sales-APAC@secure-ic.com JAPAN sales-JAPAN@secure-ic.com

CHINA sales-CHINA@secure-ic.com