

PRODUCT SHEET

Securyzr<sup>™</sup> > Securyzr<sup>™</sup> Secure HW Solutions > Securyzr<sup>™</sup> Security IP > Tunable Crypto > Symmetric > SCZ\_IP\_SM4\_XTS

## **SM4-XTS MULTI-BOOSTER**

The SM4-XTS Multi-Booster crypto engine includes a generic & scalable implementation of the SM4 algorithm (a block cipher specified by the OSCCA) making the solution ideal for high-end applications (including key, tweak, input and output registers and Galois field multiplier).

This crypto engine targets high-performance applications such as data storage and memory encryption. Thanks to its scalability, it can be tailored to reach the best trade-off between performances, area and technology.





## Implementation aspects

The SM4-XTS 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 throughput and features required by a specific application can be taken into account in order to select the most optimal and compact configuration.



For other SM4 solutions, please see dedicated product sheets: **SM4 Standard Crypto Engine** (SCZ\_IP\_SM4) and **SM4-GCM Multi-Booster** (SCZ\_IP\_AES\_SM4-GCM).



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## **HEADQUARTERS**

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