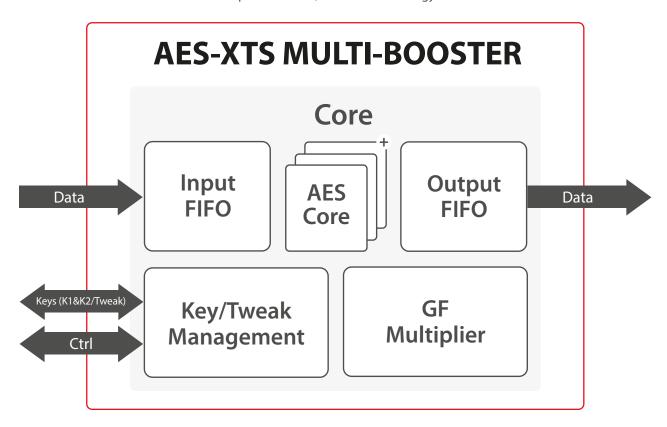


Securyzr™ > Securyzr™ Secure HW Solutions > Securyzr™ Crypto Security IP > SCZ_IP_BA416

AES-XTS MULTI-BOOSTER

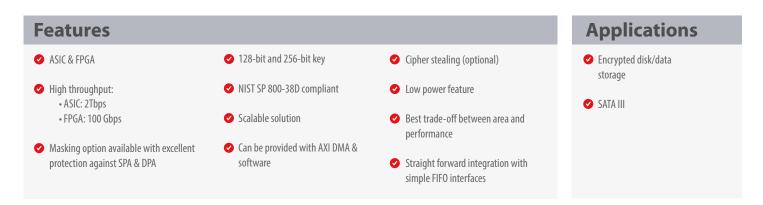
The AES-XTS Multi-Booster crypto engine includes a generic & scalable implementation of the AES algorithm making the solution suitable for a wide range of low-cost & high-end applications (including key, tweak, input and output registers and Galois field multiplier).

This crypto engine targets high-performance applications, where a high throughput is required. Thanks to its scalability, it can be tailored to reach the best trade-off between performances, area and technology.



Implementation aspects

The AES-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.



Deliverables

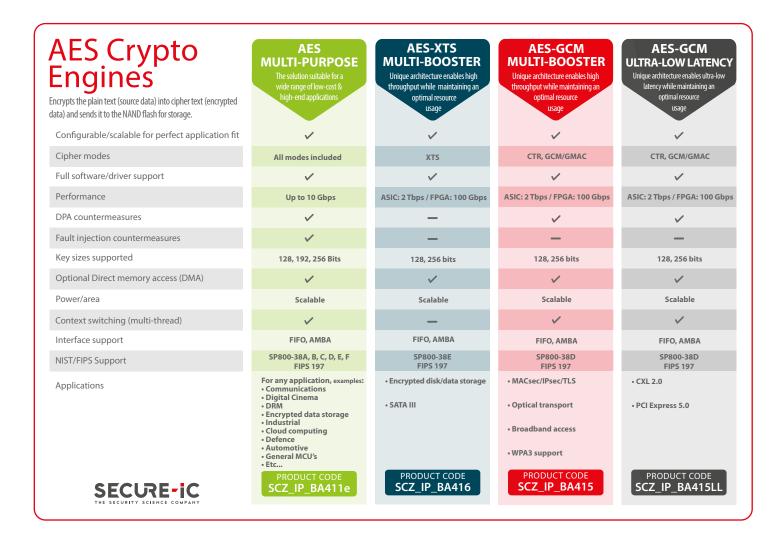
Netlist or RTL

Scripts for synthesis & STA

Self-checking RTL test-bench on referenced vectors

Documentation

For other AES solutions, please see dedicated product sheets: **AES Multi-Purpose** (SCZ_IP_BA411e), **AES-GCM Multi-Booster** (SCZ_IP_BA415) and **AES-GCM Ultra-Low Latency** (SCZ_IP_BA415LL).





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