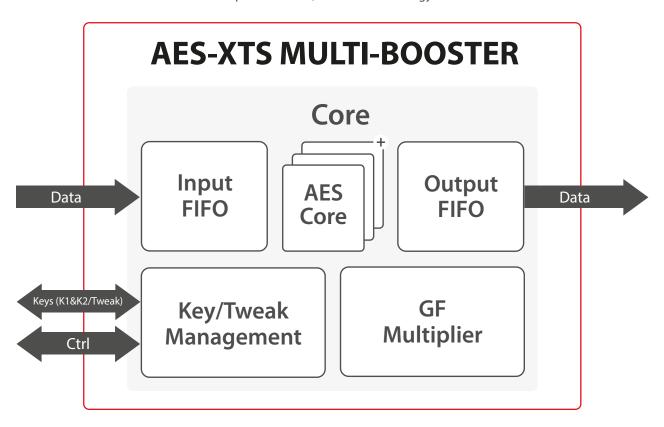


Securyzr™ > Securyzr™ Secure HW Solutions > Securyzr™ Crypto Security IP > Tunable Crypto > Symmetric > SEZ\_IP\_AES\_XTS

## **AES-XTS MULTI-BOOSTER**

The AES-XTS Multibooster 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**

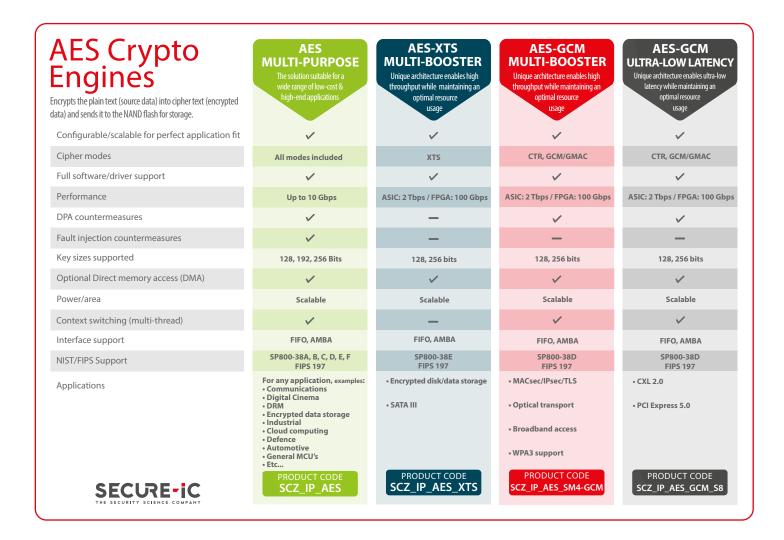
Netlist or RTL

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 AES), AES-GCM Multi-Booster (SCZ\_IP\_AES\_SM4-GCM) and **AES-GCM Ultra-Low Latency** (SCZ\_IP\_AES\_GCM\_S8).





## **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

sales-APAC@secure-ic.com

JAPAN sales-JAPAN@secure-ic.com

CHINA sales-CHINA@secure-ic.com

sales-TAIWAN@secure-ic.com

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