

# SMART SIC<sup>®</sup>

## A N A L Y Z E R

### THE ADVANCED EVALUATION PLATFORM FOR CRYPTOGRAPHIC EMBEDDED SYSTEMS



**Some doubts about your encryption system? Smart-SIC Analyzer is the ultimate choice to get confidence in it!**

Smart-SIC Analyzer is thus the perfect answer to governmental agencies, test & research labs or manufacturers that are willing to :

- CHALLENGE ROBUSTNESS OF ANY ELECTRONIC DESIGN INCLUDING VIRTUAL TARGETS
- SECURE THEIR DESIGN BY ANTICIPATING INFORMATION LEAKAGE
- ACCREDIT NEW ENCRYPTION EQUIPMENT

Cryptology prior to the modern age was almost synonymous with encryption, the conversion of information from a readable state to apparent nonsense. Modern cryptography follows a scientific approach and designs algorithms around computational assumptions that are assumed hard to break by an adversary. Yet, such systems are not unbreakable in theory as various analysis methods, intrusive or not, can be used to obtain the encryption key, and de-facto the encrypted information.

Smart-SIC Analyzer has been designed to setup in the smartest way an environment that performs evaluation of the robustness of any electronic component, either physical or virtual, using classical or advanced analysis techniques. Based on several years of experience in security for electronic components and embedded software from Secure-IC, Smart-SIC Analyzer is already considered as the most flexible equipment dedicated to system robustness analysis and leakage metrics.

SMART SIC<sup>®</sup>  
ANALYZER

DESIGN ROBUSTNESS EVALUATION

GOVERNMENTAL

ACADEMIC

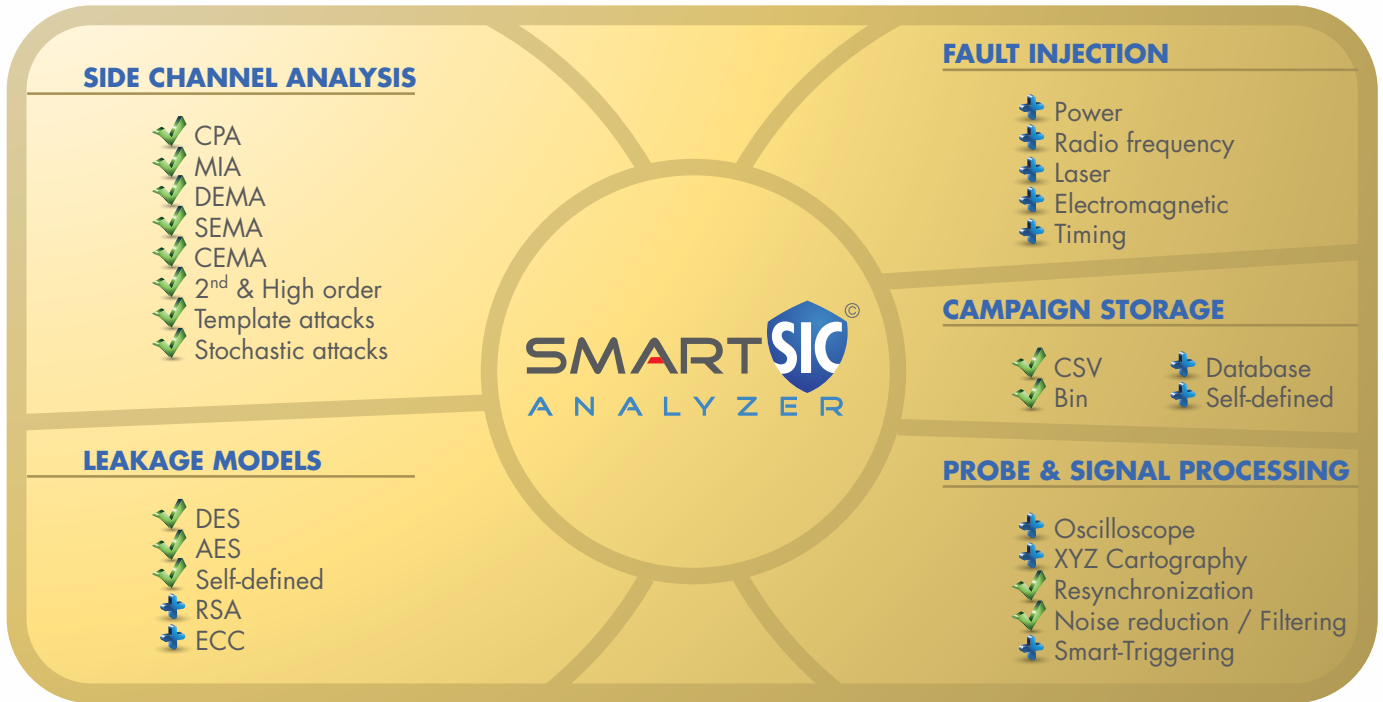
ITSEF

E-SECURITY

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THE TRUSTED COMPUTING COMPANY

The Smart-SIC Analyzer development has been driven to get one solution that offers all openness needed to allow the best integration into an existing analysis environment, providing the best interface ever that could accelerate everyone's job. Of course, Smart-SIC Analyzer can also be provided with all the relevant tools to perform autonomous analysis.



## ANTI-CLONING & TAMPER RESISTANCE

## ROBUSTNESS & INTEGRITY



### KEY FEATURES

- SINGLE INTEGRATED TOOL FOR SIDE CHANNEL ANALYSIS AND FAULT INJECTION ATTACKS TESTING AND EVALUATION
- REAL-TIME ANALYSIS AND PROCESSING
- CLASSICAL AND ADVANCED ANALYSIS TECHNIQUES
- INTUITIVE GRAPHICAL INTERFACE
- OPEN PLATFORM THAT ALLOWS PROPRIETARY ANALYSIS METHOD REUSE
- PACKAGED SOLUTION (STARTER, ADVANCE, EXPERT) OR CUSTOMIZED
- DESIGN 3D CARTOGRAPHY
- FIPS -140 READY

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SECURE-IC<sup>®</sup>, THE TRUSTED COMPUTING COMPANY, BRINGS EXPERTISE IN THE DESIGN OF SECURE ELECTRONIC CIRCUITS.

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