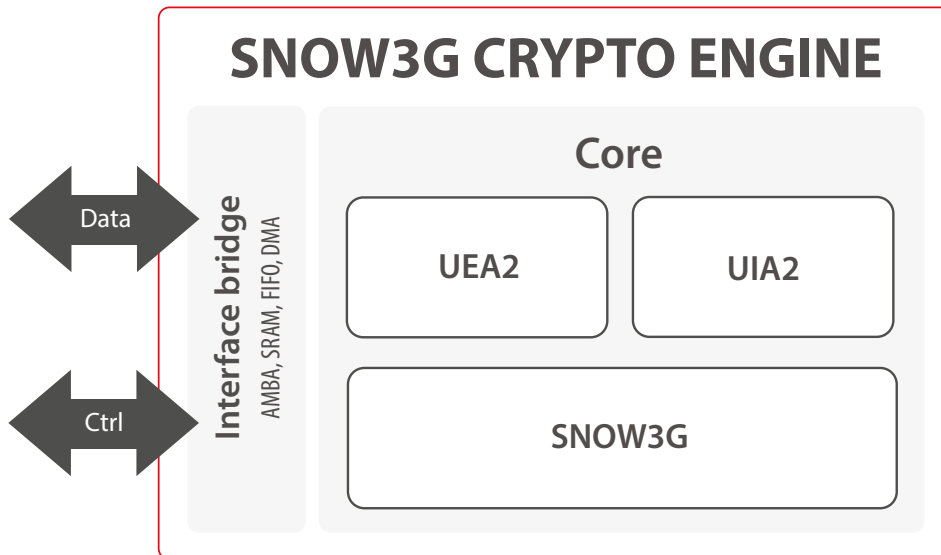


# SNOW3G CRYPTO ENGINE

The SNOW3G IP core is 3GPP confidentiality and integrity algorithms (UEA2/UIA2) stream cipher for telecommunication applications, requiring high performance with reduced silicon resources. It is optimized for maximum throughput and minimum latency.

The unique architecture enables a high level of flexibility. The throughput and features unique to each application can be taken into account in order to select the most optimal configuration of the implemented IP.



## Features

- ✓ ASIC and FPGA
- ✓ ETSI specifications compliant
- ✓ Supports:
  - UEA2 (confidentiality)
  - UIA2 (integrity)
- ✓ Data interface: AMBA (AXI/AHB) with optional DMA
- ✓ Control interface: APB/AXI4-lite

## Applications

- ✓ 3GPP mobile telephony (GSM, UMTS, LTE, 5G)
- ✓ Secure mobile communications

## Implementation aspects

Standardized AXI-4 and AHB (optional) I/O simplify system integration. All our IP cores are delivered with software drivers to simplify ASIC or FPGA integration.

We are also offering other 3GPP IP cores, such as **ZUC** (SCZ\_IP\_ZUC) and **KASUMI** (SCZ\_IP\_KASUMI).

## Deliverables

- ✓ Netlist or RTL
- ✓ Scripts for synthesis & STA
- ✓ Self-checking RTL test-bench on referenced vectors
- ✓ Documentation

## CONTACT US

### 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

### TAIWAN

sales-TAIWAN@secure-ic.com

**SECURE-IC**  
THE SECURITY SCIENCE COMPANY

#### 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](mailto:contact@secure-ic.com)