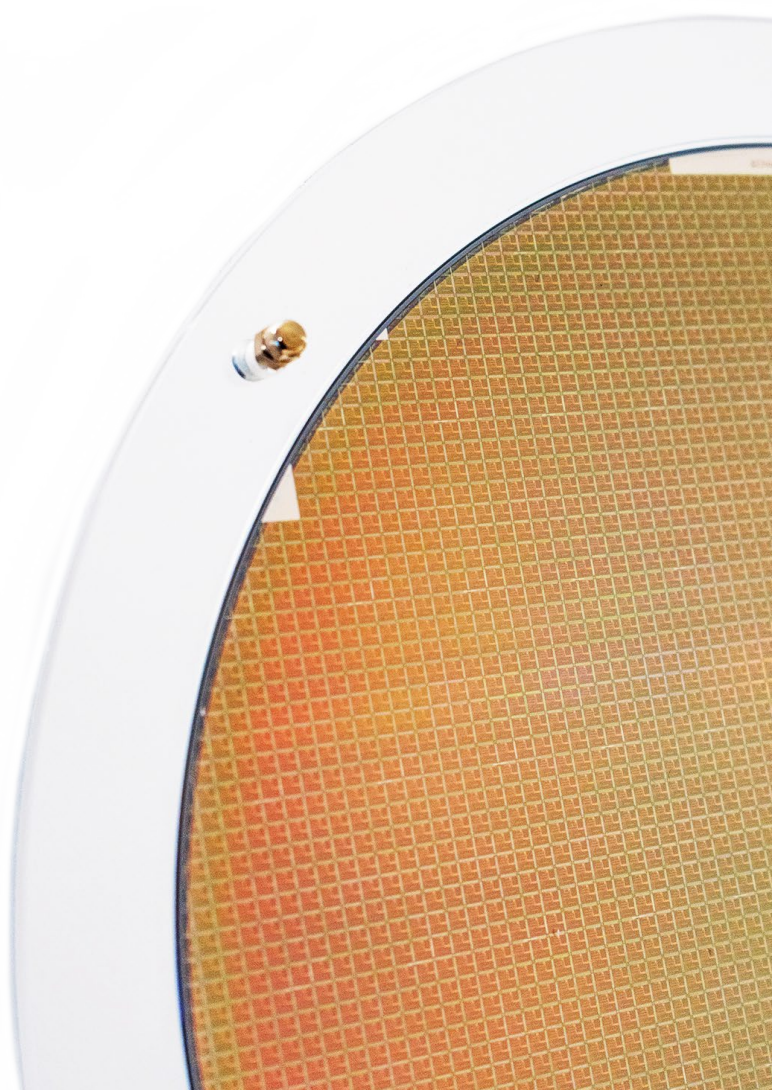


Secure Microchip

Crypto secure element



In a fast-changing regulatory environment, any public or private organization must adapt to the rigorous security standards required.

The first **microcontroller** developed in Italy

The **Secure Microchip** is a micro-platform, programmable and secure by-design, which enables the implementation of various security solutions for multiple applications and technology services.

It ensures the logical and physical security of cryptographic operations underlying the security architectures of any computer system dealing with sensitive information.

The solution elevates security measures derived from the cryptographic domain, in terms of confidentiality, integrity and authentication, both in the cyber and physical security domains.

Below are the application areas distinguished by technology types:



Information Technology – IT (network and cloud)



Operational Technology – OT (critical infrastructure, SCADA)



Internet of Things – IoT (smart city, military wearable device)



Security for mobile devices

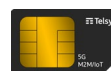


Military assets and weapon systems (digitized weapon systems, drones)

One chip, multiple formats for integration with different systems - fixed on circuit board for QFN and removable and standard for microSD package.

Both packages contain the same integrated circuit and exhibit the same functionality.

SIM format on roadmap.



Why **Secure Microchip**?

- Completely ***made in Italy***
- ***European Root of trust***
- ***Anti tampering***
- ***Always external to the infrastructure/system to be secured***
- ***Secure against cyber, electronic, frequency, overheating attacks***
- ***Inoperable*** except by the rightful owner

 **Telsy**

A TIM ENTERPRISE BRAND

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