Secure elements market overview

2019 worldwide figures

A secure element contains a certified microcontroller and embedded software. It plays a vital role in ensuring our digital security and privacy.

In 2019, 10.03 bn secure elements were shipped (10.23 bn in 2018).

Financial Services
3.3 bn secure elements were shipped in 2019

- +4.4% growth which represents 140 million new cards being placed on the market. The overall share for contactless cards reaches 61%.

Telecom
5.2 bn of SIM cards were shipped in 2019

- In a mature market, a lower demand impacted by regulations on SIM registration and consolidations of MNOs, is confirmed in 2019.

Device Manufacturers
465 M secure elements were shipped in 2019

- The embedded secure element has shown a 5.7% growth, thanks to an increased demand for wearables, wallets and mobile payment.

Government & Healthcare
530 M secure elements were shipped in 2019

- An accelerated growth (+6% YoY), driven by the implementation of many identity programs and product renewals around the globe.

Contactless figures

- Mobility and contactless transactions are key drivers for growth, thanks to their convenient and secure user experience.
- Wearables are also seen as a convenient form factor for payment.

Industrial and automotive IoT

- Shipments of secure elements for connected cars and smart meters using cellular connectivity reached around 130 million units in 2019.