EUROSMART
The Voice of the Digital Security Industry

Secure elements market overview

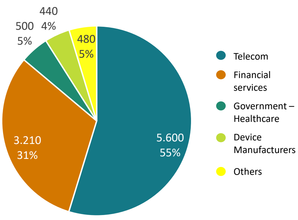
2019 worldwide figures

A **secure element** contains a certified microcontroller and embedded software

It play a vital role in ensuring our **digital security and privacy.**

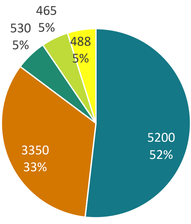
2018

Shipments, million of units



2019

Shipments, million of units



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%

This segment accounts for cards for payment services, loyalty services and social cards with payment application

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

This segment accounts for SIM cards, i.e. secure elements with a SIM application

Growth Drivers

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

This segment accounts for mobile phones, tablets, navigation devices and other connected devices that include an embedded secure element without SIM application

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

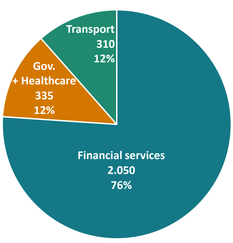
This segment accounts for cards issued by governmental bodies for citizens identification (travel, ID and healthcare documents) and online services and cards issued by private health insurance companies

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

2019

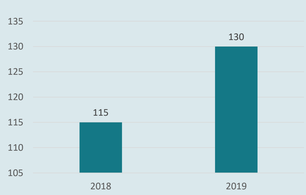
Shipments, million of units



The **contactless** market increased by **20%** in 2019

Industrial and automotive IoT

million of units



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

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