

Global Embedded Security Chips and Modules Market Growth 2025-2031

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Abstracts

The global Embedded Security Chips and Modules market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

In this internet age, identity theft, intellectual property protection, and financial account and payment protection are key concerns to both consumers and designers. To keep everything safe, many systems employ security measures such as data encryption and physical shielding to prevent hackers and other malicious activities from accessing data, financial information, or even intellectual property. Even the simple car door entry key/ignition key has become more secure with embedded processors running challenge and response authentication to prevent vehicle theft. Furthermore, the movement to 'smarten' the energy grid will also escalate the demand for secure communications to prevent hackers or terrorists from wreaking havoc on the power grid. This report studies the Embedded Security market, including embedded Secure Element (eSE) & Embedded SIM, and Trusted Platform Module.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent

growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

LP Information, Inc. (LPI) ' newest research report, the “Embedded Security Chips and Modules Industry Forecast” looks at past sales and reviews total world Embedded Security Chips and Modules sales in 2024, providing a comprehensive analysis by region and market sector of projected Embedded Security Chips and Modules sales for 2025 through 2031. With Embedded Security Chips and Modules sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Embedded Security Chips and Modules industry.

This Insight Report provides a comprehensive analysis of the global Embedded Security Chips and Modules landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Embedded Security Chips and Modules portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Embedded Security Chips and Modules market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Embedded Security Chips and Modules and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Embedded Security Chips and Modules.

This report presents a comprehensive overview, market shares, and growth opportunities of Embedded Security Chips and Modules market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Embedded Secure Element and Embedded SIM

Trusted Platform Module

Segmentation by Application:

Mobile Secure Transactions

Authentication

Smart Cards

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

NXP Semiconductors

Infineon

STMicroelectronics

Gemalto

IDEMIA

Microchip

Huada Semiconductor Co., Ltd.

Maxim Integrated

Renesas Electronics Corporation.

Samsung

Intel

Nuvoton Technology Corporation

Key Questions Addressed in this Report

What is the 10-year outlook for the global Embedded Security Chips and Modules market?

What factors are driving Embedded Security Chips and Modules market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Embedded Security Chips and Modules market opportunities vary by end market size?

How does Embedded Security Chips and Modules break out by Type, by Application?

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