

# **Smart Card IC Market Size, Share, and Outlook, 2025 Report- By Type (Memory Card IC, Security Logic Card IC, CPU Cards IC), By Application (Cashless Vending, Public Transport, Ecommerce and Retail, e-Passports, Secured Physical access, Travel Document, Others), By Material (PVC, Plastics, Others), By Component (Hardware, Software), By End-User (Banking, Telecom, Transportation, Healthcare, Others), 2018-2032**

<https://marketpublishers.com/r/SB3BC1546EA6EN.html>

Date: April 2025

Pages: 164

Price: US\$ 3,680.00 (Single User License)

ID: SB3BC1546EA6EN

## **Abstracts**

### Smart Card IC Market Outlook

The Smart Card IC Market size is expected to register a growth rate of 6.4% during the forecast period from \$3.34 Billion in 2025 to \$5.2 Billion in 2032. The Smart Card IC market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Smart Card IC segments across 22 countries from 2021 to 2032. Key segments in the report include By Type (Memory Card IC, Security Logic Card IC, CPU Cards IC), By Application (Cashless Vending, Public Transport, Ecommerce and Retail, e-Passports, Secured Physical access, Travel Document, Others), By Material (PVC, Plastics, Others), By Component (Hardware, Software), By End-User (Banking, Telecom, Transportation, Healthcare, Others). Over 70 tables and charts showcase findings from our latest survey report on Smart Card IC markets.

## Smart Card IC Market Insights, 2025

With the payment security landscape shifting toward AI-powered biometric authentication and next-generation EMV smart cards, demand for secure smart card ICs is surging. Companies like NXP Semiconductors, Infineon Technologies, and STMicroelectronics are developing contactless payment chips with AI-driven fraud detection, biometric verification, and quantum-resistant encryption. The adoption of smart healthcare ID cards and government-issued e-passports is also fueling demand for secure, tamper-proof smart card ICs. Additionally, corporate access control and transit smart cards are integrating AI-based NFC technology, enabling secure, contactless authentication for employees and commuters.

### Five Trends that will define global Smart Card IC market in 2025 and Beyond

A closer look at the multi-million market for Smart Card IC identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Smart Card IC companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Smart Card IC vendors.

### What are the biggest opportunities for growth in the Smart Card IC industry?

The Smart Card IC sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

### Smart Card IC Market Segment Insights

The Smart Card IC industry presents strong offers across categories. The analytical report offers forecasts of Smart Card IC industry performance across segments and countries. Key segments in the industry include%li%By Type (Memory Card IC, Security Logic Card IC, CPU Cards IC), By Application (Cashless Vending, Public Transport, Ecommerce and Retail, e-Passports, Secured Physical access, Travel Document,

Others), By Material (PVC, Plastics, Others), By Component (Hardware, Software), By End-User (Banking, Telecom, Transportation, Healthcare, Others). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Smart Card IC market size outlook is provided for 22 countries across these regions.

### Market Value Chain

The chapter identifies potential companies and their operations across the global Smart Card IC industry ecosystem. It assists decision-makers in evaluating global Smart Card IC market fundamentals, market dynamics, and disruptive trends across the value chain segments.

### Scenario Analysis and Forecasts

Strategic decision-making in the Smart Card IC industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

### Asia Pacific Smart Card IC Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

### The State of Europe Smart Card IC Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents

optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Smart Card IC with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Smart Card IC market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Smart Card IC market Insights%li%Vendors are exploring new opportunities within the US Smart Card IC industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Smart Card IC companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Smart Card IC market.

Latin American Smart Card IC market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Smart Card IC Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Smart Card IC markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana,

Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Smart Card IC markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Smart Card IC companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include Abnote, Atmel Corp, EM Microelectronic SA, HT Micron Semicondutores, Infineon Technologies AG, NXP Semiconductors, ON Semiconductor, Renesas Technology, Samsung, STMicroelectronics.

Smart Card IC Market Segmentation

By Type

Memory Card IC

Security Logic Card IC

CPU Cards IC

By Application

Cashless Vending

Public Transport

Ecommerce and Retail

e-Passports

Secured Physical access

Travel Document

Others

By Material

PVC

Plastics

Others

By Component

Hardware

Software

By End-User

Banking

Telecom

Transportation

Healthcare

Others

Leading Companies

Abnote

Atmel Corp

EM Microelectronic SA

HT Micron Semicondutores

Infineon Technologies AG

NXP Semiconductors

ON Semiconductor

Renesas Technology

Samsung

STMicroelectronics

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

## Contents

### 1. TABLE OF CONTENTS

List of Figures and Tables

### 2. EXECUTIVE SUMMARY

#### 2.1 Key Highlights

2.1.1 Smart Card IC Market Size Outlook, 2018-2024 and 2025-2032

2.1.2 Largest Smart Card IC Market Types and Applications

2.1.3 Fastest Growing Segments

2.1.4 Potential Markets

2.1.5 Market Concentration

#### 2.2 Market Scope and Segmentation

2.2.1 Market Scope- Segments

2.2.2 Market Scope- Countries

2.2.3 Macroeconomic and Demographic Outlook

2.2.4 Abbreviations

2.2.5 Units and Currency Conversions

### 3. RESEARCH METHODOLOGY

#### 3.1 Primary Research Surveys

#### 3.2 Secondary Data Sources

#### 3.3 Data Triangulation

#### 3.4 Forecast Methodology

#### 3.5 Assumptions and Limitations

### 4. INTRODUCTION TO GLOBAL SMART CARD IC MARKET IN 2025

#### 4.1 Industry Panorama

#### 4.2 Leading Companies Profiled in the Study

#### 4.3 Asia Pacific Markets offer Robust Market Prospects for New Entrants

#### 4.4 Market Dynamics

4.4.1 Market Dynamics- Trends and Drivers

4.4.2 Market Dynamics- Opportunities and Challenges

#### 4.5 Regional Analysis

#### 4.6 Porter's Five Force Analysis

- 4.6.1 Intensity of Competitive Rivalry
- 4.6.2 Threat of New Entrants
- 4.6.3 Threat of Substitutes
- 4.6.4 Bargaining Power of Buyers
- 4.6.5 Bargaining Power of Suppliers
- 4.7 Smart Card IC Industry Value Chain Analysis
  - 4.7.1 Stage of Value Chain
  - 4.7.2 Key Activities of Companies
  - 4.7.3 Companies Included in Each Stage
  - 4.7.4 Key Insights

## **5. SMART CARD IC MARKET OUTLOOK TO 2032**

- 5.1 Market Size Forecast by Type, 2021-2024 and 2025-2032
- 5.2 Market Size Forecast by Application, 2021-2024 and 2024-2032
- 5.3 Market Size Forecast by Geography, 2021-2024 and 2024-2032

### **By Type**

**Memory Card IC**

**Security Logic Card IC**

**CPU Cards IC**

### **By Application**

**Cashless Vending**

**Public Transport**

**Ecommerce and Retail**

**e-Passports**

**Secured Physical access**

**Travel Document**

**Others**

### **By Material**

**PVC**

**Plastics**

**Others**

### **By Component**

**Hardware**

**Software**

### **By End-User**

**Banking**

**Telecom**

**Transportation**

Healthcare

Others

## **6. GLOBAL SMART CARD IC MARKET OUTLOOK ACROSS GROWTH SCENARIOS**

**6.1 Low Growth Scenario**

**6.2 Base/Reference Case**

**6.3 High Growth Scenario**

## **6. NORTH AMERICA SMART CARD IC MARKET SIZE OUTLOOK**

**6.1 Key Market Statistics, 2024**

**6.2 North America Smart Card IC Market Trends and Growth Opportunities**

**6.2.1 North America Smart Card IC Market Outlook by Type**

**6.2.2 North America Smart Card IC Market Outlook by Application**

**6.3 North America Smart Card IC Market Outlook by Country**

**6.3.1 The US Smart Card IC Market Outlook, 2021- 2032**

**6.3.2 Canada Smart Card IC Market Outlook, 2021- 2032**

**6.3.3 Mexico Smart Card IC Market Outlook, 2021- 2032**

## **7. EUROPE SMART CARD IC MARKET SIZE OUTLOOK**

**7.1 Key Market Statistics, 2024**

**7.2 Europe Smart Card IC Market Trends and Growth Opportunities**

**7.2.1 Europe Smart Card IC Market Outlook by Type**

**7.2.2 Europe Smart Card IC Market Outlook by Application**

**7.3 Europe Smart Card IC Market Outlook by Country**

**7.3.2 Germany Smart Card IC Market Outlook, 2021- 2032**

**7.3.3 France Smart Card IC Market Outlook, 2021- 2032**

**7.3.4 The UK Smart Card IC Market Outlook, 2021- 2032**

**7.3.5 Spain Smart Card IC Market Outlook, 2021- 2032**

**7.3.6 Italy Smart Card IC Market Outlook, 2021- 2032**

**7.3.7 Russia Smart Card IC Market Outlook, 2021- 2032**

**7.3.8 Rest of Europe Smart Card IC Market Outlook, 2021- 2032**

## **8. ASIA PACIFIC SMART CARD IC MARKET SIZE OUTLOOK**

**8.1 Key Market Statistics, 2024**

## **8.2 Asia Pacific Smart Card IC Market Trends and Growth Opportunities**

### **8.2.1 Asia Pacific Smart Card IC Market Outlook by Type**

### **8.2.2 Asia Pacific Smart Card IC Market Outlook by Application**

## **8.3 Asia Pacific Smart Card IC Market Outlook by Country**

### **8.3.1 China Smart Card IC Market Outlook, 2021- 2032**

### **8.3.2 India Smart Card IC Market Outlook, 2021- 2032**

### **8.3.3 Japan Smart Card IC Market Outlook, 2021- 2032**

### **8.3.4 South Korea Smart Card IC Market Outlook, 2021- 2032**

### **8.3.5 Australia Smart Card IC Market Outlook, 2021- 2032**

### **8.3.6 South East Asia Smart Card IC Market Outlook, 2021- 2032**

### **8.3.7 Rest of Asia Pacific Smart Card IC Market Outlook, 2021- 2032**

## **9. SOUTH AMERICA SMART CARD IC MARKET SIZE OUTLOOK**

### **9.1 Key Market Statistics, 2024**

## **9.2 South America Smart Card IC Market Trends and Growth Opportunities**

### **9.2.1 South America Smart Card IC Market Outlook by Type**

### **9.2.2 South America Smart Card IC Market Outlook by Application**

## **9.3 South America Smart Card IC Market Outlook by Country**

### **9.3.1 Brazil Smart Card IC Market Outlook, 2021- 2032**

### **9.3.2 Argentina Smart Card IC Market Outlook, 2021- 2032**

### **9.3.3 Rest of South and Central America Smart Card IC Market Outlook, 2021- 2032**

## **10. MIDDLE EAST AND AFRICA SMART CARD IC MARKET SIZE OUTLOOK**

### **10.1 Key Market Statistics, 2024**

## **10.2 Middle East and Africa Smart Card IC Market Trends and Growth Opportunities**

### **10.2.1 Middle East and Africa Smart Card IC Market Outlook by Type**

### **10.2.2 Middle East and Africa Smart Card IC Market Outlook by Application**

## **10.3 Middle East and Africa Smart Card IC Market Outlook by Country**

### **10.3.1 Saudi Arabia Smart Card IC Market Outlook, 2021- 2032**

### **10.3.2 The UAE Smart Card IC Market Outlook, 2021- 2032**

### **10.3.3 Rest of Middle East Smart Card IC Market Outlook, 2021- 2032**

### **10.3.4 South Africa Smart Card IC Market Outlook, 2021- 2032**

### **10.3.5 Egypt Smart Card IC Market Outlook, 2021- 2032**

### **10.3.6 Rest of Africa Smart Card IC Market Outlook, 2021- 2032**

## **11. COMPANY PROFILES**

### **11.1 Leading 10 Companies**

**Abnote**

**Atmel Corp**

**EM Microelectronic SA**

**HT Micron Semicondutores**

**Infineon Technologies AG**

**NXP Semiconductors**

**ON Semiconductor**

**Renesas Technology**

**Samsung**

**STMicroelectronics**

### **11.2 Overview**

### **11.3 Products and Services**

### **11.4 SWOT Profile**

## **12. APPENDIX**

### **12.1 Subscription Options**

### **12.2 Customization Options**

### **12.3 Publisher Details**

## I would like to order

Product name: Smart Card IC Market Size, Share, and Outlook, 2025 Report- By Type (Memory Card IC, Security Logic Card IC, CPU Cards IC), By Application (Cashless Vending, Public Transport, Ecommerce and Retail, e-Passports, Secured Physical access, Travel Document, Others), By Material (PVC, Plastics, Others), By Component (Hardware, Software), By End-User (Banking, Telecom, Transportation, Healthcare, Others), 2018-2032

Product link: <https://marketpublishers.com/r/SB3BC1546EA6EN.html>

Price: US\$ 3,680.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SB3BC1546EA6EN.html>