

Global Smart Cards Market: Size, Trend, Share, Opportunity Analysis & Forecast, 2014–2025

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Abstracts

Smart card is a type of chip card that functions as a security token with compiled embedded computer-chip. The computer chip installed in a smart card can either be microcontroller- or memory based, that stores and transit the data. Smart cards are made of plastic materials such as polyvinyl chloride, polyethylene terephthalate based polyesters, polycarbonate, and other materials. They are used in various applications in different disguise such as ATM cards, authorization cards, fuel cards in financial sector, as SIM cards in mobile phones, as authentication cards, as a security token in computer applications, and others. Smart cards offer flexibility, security, portability, increase in data storage capacity, and reliability.

Based on product type, the smart cards market is segmented into contact cards, contact-less cards, hybrid smart cards, and dual-interface smart cards. As per component the market is segmented into microcontroller-based and memory-based smart card. By industry vertical smart cards market is divided into IT & telecommunication, BFSI, retail & consumer goods, media & entertainment, and others. The market is further analyzed across four geographic regions including North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Increase in need for improved security and reliability in online transactions

Growing acceptance for high capacity SIM cards

Increase in investments for smart cards projects

Rise in number of smartphone users

Restraints:

High initial costs to alter the card reader infrastructure to make it compatible with the new versions

MARKET PLAYERS:

The key industry leaders in the global smart cards market include Smart Card IT Solutions Limited, Infineon Technologies AG, Morpho S.A.S., Oberthur Technologies, Watchdata Technologies, CPI Card Group Inc, Gemalto N.V., Atmel Corporation, Fujitsu Limited, Thales SA, and STMicroelectronics N.V.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Product Type

Contact Cards

Contact-less Cards

Hybrid Smart Cards

Dual Interface Smart Cards

By Component

Microcontroller-based

Memory-based

By Industry Vertical

IT & Telecommunication

Banking, Financial Services, and Insurance (BFSI)

Retail & Consumer Goods

Media & Entertainment

Others

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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