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Global Smartcard MCU Market Size study & Forecast, by Product (8-bit, 16-bit, 32-bit), by Offerings (Smart Card, Smart Card Readers), by Functionality (Transaction, Communication, Security & Access Control), by End-User Industry (BFSI, Telecommunications, Government and Healthcare, Education, Retail, Transportation, Others) and Regional Analysis, 2022-2029

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Abstracts

Global Smartcard MCU Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2029. Smartcard MCU cards store a large amount of data. These are targeted toward various applications such as identification, data storage, authentication, and application processing. MSU is embedded in smart cards including processor units, communication interfaces, peripherals, memory modules, and so on. The Smartcard MCU market is expanding because of factors such as the rising adoption of digital technologies and growing banking fraud.

According to Statista in 2022, global spending on digital transformation is estimated to reach around USD 1.6 trillion. Also, by 2026, it is projected to reach around USD 3.4 trillion. Whereas rising awareness towards security concerns and technological advancement and innovations create lucrative opportunities for the market. However, a lack of public awareness hampers market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Smartcard MCU Market study include Asia

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Pacific, North America, Europe, Latin America, and the Rest of the World. North America dominated the market in terms of revenue, owing to the increasing awareness of security concerns, growing incidences of banking fraud, and rising growth activities by market players. Whereas the Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as increasing digitalization, growing technological advancement, and innovation in the forecast period.

Major market players included in this report are:
NXP Semiconductors NV
Renesas Electronics Corporation
Infineon Technologies AG
STMicroelectronics
Microchip Technology Inc.
Texas Instruments Incorporated
Maxim Integrated
Onsemi
Zilog, Inc.
Samsung Electronics Co. Ltd
Recent Developments in the Market:
In September 2021, Infineon Technologies opened a new high-tech chip manufacturing facility for power electronics. It is valued at 1.6 billion EUR and is based on 300-millimeter thin wafers manufactured at the company's Villach facility in Austria. The semiconductor group's investment is one of the most significant projects in Europe's microelectronics sector.
In January 2022, Samsung Electronics unveiled the S3B512C, a brand-new, improved fingerprint security IC (integrated circuit). The new solution complies with the most recent Mastercard Biometric Evaluation Plan Summary (BEPS) criteria for biometric payment cards and is EMVCo and Common Criteria Evaluation Assurance Level (CC EAL) 6+ certified.
Global Smartcard MCU Market Report Scope:
Historical Data 2019-2020-2021
Base Year for Estimation 2021
Forecast period 2022-2029
Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends
Segments Covered Product, Offering, Functionality, End-user, Region
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World
Customization Scope Free report customization (equivalent up to 8 analyst’s working hours) with purchase. Addition or alteration to country, regional & segment scope*

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The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:
By Product:
8-bit
16-bit
32-bit

By Offering:
Smart Card
Smart Card Readers

By Functionality:
Transaction
Communication
Security and access control

By End User Industry:
BFSI
Telecommunications
Government and Healthcare
Education
Retail
Transportation
Others

By Region:
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South Korea
RoAPAC
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