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Global Smart Cards Automated Fare Collection System Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Smart Cards Automated Fare Collection System market size was valued at USD 1269.4 million in 2023 and is forecast to a readjusted size of USD 2235.7 million by 2030 with a CAGR of 8.4% during review period.

Automatic Fare Collection System (AFC) is a contactless smartcard-based end-to-end solution for fare collection and payment. The state-of-the-art solution is uniquely designed with the demand of revenue services for modern transit operation in mind. Furthermore, with the advent of smartcard technology and proliferation of its business applications, AFC also enables transit operators to expand revenue opportunities, exploit the benefits of payment integration with other transit operators as well as non-transit service providers.

AFC System consists of Central Computer System, Station Computer System and Station Equipment.

Central Computer System

Central Computer System is the AFC management center which is responsible for generating reports, receiving ticketing data from station computer, sending control command, downloading system parameter and ticket price list to station computer.

Station Computer System

The primary role of the Station Computer is to provide the usage data collection,

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downloading of fare related parameters to the AFC equipment; control, monitoring and management of the AFC equipment. Its secondary role is to provide the station reports (if required) and support the sales office and customer service. It is able to function independently should there be a failure in the communication link with the central computer.

Station Equipment

These are all the front-end equipment/devices, which are used to serve the commuter. These consist of Ticket Vending Machines, Fare Gates, Booking Office Machines, Mobile and Hand-Held Terminals and Ticket Recharging Machines etc. Typically the requirement for each implementation may vary in terms of the quantity of the equipment/devices.

Smart Cards

Smart Cards generally support faster and more flexible fare collection systems. Contactless or Proximity Smart Cards permit faster processing times than magnetic stripe cards or contact smart cards. They also facilitate processing of differentiated fare structures such as time-based and distance-based fare structures and fare integration across several modes and operators. A hybrid or "dual-interface" smart card can expand the application of smart cards beyond transit.

This report focus on the Station Equipment (terminal equipment) of Smart Cards Automated Fare Collection System.

Cubic Corporation, The Nippon Signal and Omron Corporation are the leading manufacturers of Smart Cards Automated Fare Collection Systems, with a combined market share of about 45%.

North America and Japan are the major markets, each accounting for about 30% of the market share.

The Global Info Research report includes an overview of the development of the Smart Cards Automated Fare Collection System industry chain, the market status of On-board AFC Equipment (Farebox, Ticket Vending Machines (TVM)), Off-board AFC Equipment (Farebox, Ticket Vending Machines (TVM)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Smart Cards Automated Fare Collection System.

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Regionally, the report analyzes the Smart Cards Automated Fare Collection System markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Smart Cards Automated Fare Collection System market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Smart Cards Automated Fare Collection System market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Smart Cards Automated Fare Collection System industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Farebox, Ticket Vending Machines (TVM)).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Smart Cards Automated Fare Collection System market.

Regional Analysis: The report involves examining the Smart Cards Automated Fare Collection System market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Smart Cards Automated Fare Collection System market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Smart Cards Automated Fare

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Collection System:

Company Analysis: Report covers individual Smart Cards Automated Fare Collection System manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Smart Cards Automated Fare Collection System This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (On-board AFC Equipment, Off-board AFC Equipment).

Technology Analysis: Report covers specific technologies relevant to Smart Cards Automated Fare Collection System. It assesses the current state, advancements, and potential future developments in Smart Cards Automated Fare Collection System areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Smart Cards Automated Fare Collection System market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Smart Cards Automated Fare Collection System market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Farebox

Ticket Vending Machines (TVM)

Validator

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Market segment by Application

- On-board AFC Equipment
- Off-board AFC Equipment

Major players covered

- Advanced Card Systems Holdings Limited
- Omron Corporation
- Thales Group
- Atos SE
- LG CNS
- NXP Semiconductor
- Samsung SDS
- Cubic Transportation Systems
- GMV
- INIT
- Scheidt & Bachmann
- Siemens
- Sony Corporation
- ST Electronics

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GFI Genfare

LECIP

Xerox

Trapeze Group

Vix Technology

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Smart Cards Automated Fare Collection System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Smart Cards Automated Fare Collection System, with price, sales, revenue and global market share of Smart Cards Automated Fare Collection System from 2019 to 2024.

Chapter 3, the Smart Cards Automated Fare Collection System competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Smart Cards Automated Fare Collection System breakdown data are

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shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023.and Smart Cards Automated Fare Collection System market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Smart Cards Automated Fare Collection System.

Chapter 14 and 15, to describe Smart Cards Automated Fare Collection System sales channel, distributors, customers, research findings and conclusion.

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