

# Global Smart Cards Automated Fare Collection Systems Market Analysis and Forecast 2024-2030

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## Abstracts

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, 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.

According to APO Research, The global Smart Cards Automated Fare Collection Systems market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

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.

In terms of production side, this report researches the Smart Cards Automated Fare Collection Systems production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Smart Cards Automated Fare Collection Systems by region (region level and country level), by Company, by Type and by Application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Smart Cards Automated Fare Collection Systems, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Smart Cards Automated Fare Collection Systems, also provides the consumption of main regions and countries. Of the upcoming market potential for Smart Cards Automated Fare Collection Systems, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Smart Cards Automated Fare Collection Systems sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Smart Cards Automated Fare Collection Systems market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Smart Cards Automated Fare Collection Systems sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including Cubic Corporation, The Nippon Signal, Omron Corporation, Scheidt & Bachmann, Thales Group, INIT, Huaming, Xerox and GFI Genfare, etc.

Smart Cards Automated Fare Collection Systems segment by Company

Cubic Corporation

The Nippon Signal

Omron Corporation

Scheidt & Bachmann

Thales Group

INIT

Huaming

Xerox

GFI Genfare

LECIP

Shanghai Potevio Company Limited

Gunnebo

GMV

Huahong Jitong

GRG Banking

#### Smart Cards Automated Fare Collection Systems segment by Type

Farebox

Ticket Vending Machines (TVM)

Validator

#### Smart Cards Automated Fare Collection Systems segment by Application

Off-Board

On-Board

## Smart Cards Automated Fare Collection Systems segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

### Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

### Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries

and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Smart Cards Automated Fare Collection Systems market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

2. This report will help stakeholders to understand the global industry status and trends of Smart Cards Automated Fare Collection Systems and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market.

5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Smart Cards Automated Fare Collection Systems.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Chapter Outline

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (by type and by application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Smart Cards Automated Fare Collection Systems production/output of global and key producers (regions/countries). It provides a quantitative analysis of the production, and development potential of each producer in the next six years.

Chapter 4: Sales (consumption), revenue of Smart Cards Automated Fare Collection Systems in global, regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space of each country in the world.

Chapter 5: Detailed analysis of Smart Cards Automated Fare Collection Systems manufacturers competitive landscape, price, sales, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 6: Provides the analysis of various market segments by type, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7: Provides the analysis of various market segments by application, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8: Provides profiles of key manufacturers, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, Smart Cards Automated Fare Collection Systems sales, revenue, price, gross margin, and recent development, etc.

Chapter 9: North America (US & Canada) by type, by application and by country, sales, and revenue for each segment.

Chapter 10: Europe by type, by application and by country, sales, and revenue for each segment.

Chapter 11: China by type, by application, sales, and revenue for each segment.

Chapter 12: Asia (Excluding China) by type, by application and by region, sales, and revenue for each segment.



Chapter 13: Middle East, Africa, Latin America by type, by application and by country, sales, and revenue for each segment.

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Chapter 15: The main concluding insights of the report.

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