

Global Smart Cards Automated Fare Collection System Market Growth 2025-2031

<https://marketpublishers.com/r/GF77240B6666EN.html>

Date: October 2025

Pages: 133

Price: US\$ 3,660.00 (Single User License)

ID: GF77240B6666EN

Abstracts

The global Smart Cards Automated Fare Collection System market size is predicted to grow from US\$ 1548 million in 2025 to US\$ 2614 million in 2031; it is expected to grow at a CAGR of 9.1% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

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.

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.

LP Information, Inc. (LPI) ' newest research report, the "Smart Cards Automated Fare Collection System Industry Forecast" looks at past sales and reviews total world Smart Cards Automated Fare Collection System sales in 2024, providing a comprehensive analysis by region and market sector of projected Smart Cards Automated Fare

Collection System sales for 2025 through 2031. With Smart Cards Automated Fare Collection System sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Smart Cards Automated Fare Collection System industry.

This Insight Report provides a comprehensive analysis of the global Smart Cards Automated Fare Collection System landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Smart Cards Automated Fare Collection System portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Smart Cards Automated Fare Collection System market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Smart Cards Automated Fare Collection System and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Smart Cards Automated Fare Collection System.

This report presents a comprehensive overview, market shares, and growth opportunities of Smart Cards Automated Fare Collection System market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Farebox

Ticket Vending Machines (TVM)

Validator

Segmentation by Application:

On-board AFC Equipment

Off-board AFC Equipment

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

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

GFI Genfare

LECIP

Xerox

Trapeze Group

Vix Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Smart Cards Automated Fare Collection System market?

What factors are driving Smart Cards Automated Fare Collection System market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Smart Cards Automated Fare Collection System market opportunities vary by end market size?

How does Smart Cards Automated Fare Collection System break out by Type, by Application?

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