

# 2018-2023 Global Smart Cards Automated Fare Collection Systems Consumption Market Report

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## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Smart Cards Automated Fare Collection Systems market for 2018-2023.

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.

Of the major players of Smart Cards Automated Fare Collection Systems, Cubic Corporation maintained its first place in the ranking in 2017. Cubic Corporation accounted for 21.39% of the Global Smart Cards Automated Fare Collection Systems revenue market share in 2017. Other players accounted for 13.00 % and 12.41 %, including The Nippon Signal and Omron Corporation.

On the basis of product type, the Validator segment is projected to account for the largest revenue share during the forecast period; this segment was estimated to account for 83.74 % revenue share in 2017.

In the applications, the Off-Board segment was estimated to account for the highest revenue share of 93.51% in 2017 and is expected to gain significant market share by the end of 2025.

Over the next five years, LPI(LP Information) projects that Smart Cards Automated Fare Collection Systems will register a 9.6% CAGR in terms of revenue, reach US\$ 1510 million by 2023, from US\$ 870 million in 2017.

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

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Farebox

Ticket Vending Machines (TVM)

Validator

Segmentation by application:

Off-Board

On-Board

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

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

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

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

#### Research objectives

To study and analyze the global Smart Cards Automated Fare Collection Systems consumption (value & volume) by key regions/countries, product type

and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Smart Cards Automated Fare Collection Systems market by identifying its various subsegments.

Focuses on the key global Smart Cards Automated Fare Collection Systems manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Smart Cards Automated Fare Collection Systems with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Smart Cards Automated Fare Collection Systems submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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