

2018 Top 5 Smart Cards Automated Fare Collection Systems Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

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Abstracts

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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 studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

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

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

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

Europe (Germany, UK, France, Italy and Russia etc.)

South America (Brazil, Chile, Peru and Argentina)

Middle East and Africa (Egypt, South Africa, Saudi Arabia)

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Farebox

Ticket Vending Machines (TVM)

Validator

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Off-Board

On-Board

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