

# **Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Smart Cards Automated Fare Collection Systems Market 2018, Forecast to 2023**

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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.

#### **SCOPE OF THE REPORT:**

This report focuses on the Smart Cards Automated Fare Collection Systems in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

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.

The worldwide market for Smart Cards Automated Fare Collection Systems is expected to grow at a CAGR of roughly 9.6% over the next five years, will reach 1510 million US\$ in 2023, from 870 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

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, regional analysis covers

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Argentina, Colombia etc.)

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

Market Segment by Type, covers

Farebox

Ticket Vending Machines (TVM)

Validator

Market Segment by Applications, can be divided into

Off-Board

On-Board

There are 15 Chapters to deeply display the global Smart Cards Automated Fare Collection Systems market.

Chapter 1, to describe Smart Cards Automated Fare Collection Systems Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Smart Cards Automated Fare Collection Systems, with sales, revenue, and price of Smart Cards Automated Fare Collection Systems, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Smart Cards Automated Fare Collection Systems, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these

*Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Smart Cards Automated Fare...*

regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Smart Cards Automated Fare Collection Systems market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Smart Cards Automated Fare Collection Systems sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

## Contents

### 1 MARKET OVERVIEW

#### 1.1 Smart Cards Automated Fare Collection Systems Introduction

#### 1.2 Market Analysis by Type

##### 1.2.1 Farebox

##### 1.2.2 Ticket Vending Machines (TVM)

##### 1.2.3 Validator

#### 1.3 Market Analysis by Applications

##### 1.3.1 Off-Board

##### 1.3.2 On-Board

#### 1.4 Market Analysis by Regions

##### 1.4.1 North America (United States, Canada and Mexico)

###### 1.4.1.1 United States Market States and Outlook (2013-2023)

###### 1.4.1.2 Canada Market States and Outlook (2013-2023)

###### 1.4.1.3 Mexico Market States and Outlook (2013-2023)

##### 1.4.2 Europe (Germany, France, UK, Russia and Italy)

###### 1.4.2.1 Germany Market States and Outlook (2013-2023)

###### 1.4.2.2 France Market States and Outlook (2013-2023)

###### 1.4.2.3 UK Market States and Outlook (2013-2023)

###### 1.4.2.4 Russia Market States and Outlook (2013-2023)

###### 1.4.2.5 Italy Market States and Outlook (2013-2023)

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

###### 1.4.3.1 China Market States and Outlook (2013-2023)

###### 1.4.3.2 Japan Market States and Outlook (2013-2023)

###### 1.4.3.3 Korea Market States and Outlook (2013-2023)

###### 1.4.3.4 India Market States and Outlook (2013-2023)

###### 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)

##### 1.4.4 South America, Middle East and Africa

###### 1.4.4.1 Brazil Market States and Outlook (2013-2023)

###### 1.4.4.2 Egypt Market States and Outlook (2013-2023)

###### 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)

###### 1.4.4.4 South Africa Market States and Outlook (2013-2023)

###### 1.4.4.5 Nigeria Market States and Outlook (2013-2023)

#### 1.5 Market Dynamics

##### 1.5.1 Market Opportunities

##### 1.5.2 Market Risk

##### 1.5.3 Market Driving Force

## 2 MANUFACTURERS PROFILES

### 2.1 Cubic Corporation

#### 2.1.1 Business Overview

##### 2.1.1.1 Cubic Corporation Description

##### 2.1.1.2 Cubic Corporation Headquarter, Main Business and Finance Overview

#### 2.1.2 Cubic Corporation Smart Cards Automated Fare Collection Systems Product Introduction

##### 2.1.2.1 Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

##### 2.1.2.2 Smart Cards Automated Fare Collection Systems Product Information

#### 2.1.3 Cubic Corporation Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.1.3.1 Cubic Corporation Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.1.3.2 Global Cubic Corporation Smart Cards Automated Fare Collection Systems Market Share in 2017

### 2.2 The Nippon Signal

#### 2.2.1 Business Overview

##### 2.2.1.1 The Nippon Signal Description

##### 2.2.1.2 The Nippon Signal Headquarter, Main Business and Finance Overview

#### 2.2.2 The Nippon Signal Smart Cards Automated Fare Collection Systems Product Introduction

##### 2.2.2.1 Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

##### 2.2.2.2 Smart Cards Automated Fare Collection Systems Product Information

#### 2.2.3 The Nippon Signal Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.2.3.1 The Nippon Signal Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

##### 2.2.3.2 Global The Nippon Signal Smart Cards Automated Fare Collection Systems Market Share in 2017

### 2.3 Omron Corporation

#### 2.3.1 Business Overview

##### 2.3.1.1 Omron Corporation Description

##### 2.3.1.2 Omron Corporation Headquarter, Main Business and Finance Overview

#### 2.3.2 Omron Corporation Smart Cards Automated Fare Collection Systems Product Introduction

2.3.2.1 Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

2.3.2.2 Smart Cards Automated Fare Collection Systems Product Information

2.3.3 Omron Corporation Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.1 Omron Corporation Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.2 Global Omron Corporation Smart Cards Automated Fare Collection Systems Market Share in 2017

2.4 Scheidt & Bachmann

2.4.1 Business Overview

2.4.1.1 Scheidt & Bachmann Description

2.4.1.2 Scheidt & Bachmann Headquarter, Main Business and Finance Overview

2.4.2 Scheidt & Bachmann Smart Cards Automated Fare Collection Systems Product Introduction

2.4.2.1 Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

2.4.2.2 Smart Cards Automated Fare Collection Systems Product Information

2.4.3 Scheidt & Bachmann Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.1 Scheidt & Bachmann Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.2 Global Scheidt & Bachmann Smart Cards Automated Fare Collection Systems Market Share in 2017

2.5 Thales Group

2.5.1 Business Overview

2.5.1.1 Thales Group Description

2.5.1.2 Thales Group Headquarter, Main Business and Finance Overview

2.5.2 Thales Group Smart Cards Automated Fare Collection Systems Product Introduction

2.5.2.1 Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

2.5.2.2 Smart Cards Automated Fare Collection Systems Product Information

2.5.3 Thales Group Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.1 Thales Group Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.2 Global Thales Group Smart Cards Automated Fare Collection Systems Market Share in 2017

## 2.6 INIT

### 2.6.1 Business Overview

#### 2.6.1.1 INIT Description

#### 2.6.1.2 INIT Headquarter, Main Business and Finance Overview

### 2.6.2 INIT Smart Cards Automated Fare Collection Systems Product Introduction

#### 2.6.2.1 Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

#### 2.6.2.2 Smart Cards Automated Fare Collection Systems Product Information

### 2.6.3 INIT Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.6.3.1 INIT Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.6.3.2 Global INIT Smart Cards Automated Fare Collection Systems Market Share in 2017

## 2.7 Huaming

### 2.7.1 Business Overview

#### 2.7.1.1 Huaming Description

#### 2.7.1.2 Huaming Headquarter, Main Business and Finance Overview

### 2.7.2 Huaming Smart Cards Automated Fare Collection Systems Product Introduction

#### 2.7.2.1 Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

#### 2.7.2.2 Smart Cards Automated Fare Collection Systems Product Information

### 2.7.3 Huaming Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.7.3.1 Huaming Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.7.3.2 Global Huaming Smart Cards Automated Fare Collection Systems Market Share in 2017

## 2.8 Xerox

### 2.8.1 Business Overview

#### 2.8.1.1 Xerox Description

#### 2.8.1.2 Xerox Headquarter, Main Business and Finance Overview

### 2.8.2 Xerox Smart Cards Automated Fare Collection Systems Product Introduction

#### 2.8.2.1 Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

#### 2.8.2.2 Smart Cards Automated Fare Collection Systems Product Information

### 2.8.3 Xerox Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.8.3.1 Xerox Smart Cards Automated Fare Collection Systems Sales, Price,

## Revenue, Gross Margin and Market Share (2016-2017)

### 2.8.3.2 Global Xerox Smart Cards Automated Fare Collection Systems Market Share in 2017

## 2.9 GFI Genfare

### 2.9.1 Business Overview

#### 2.9.1.1 GFI Genfare Description

#### 2.9.1.2 GFI Genfare Headquarter, Main Business and Finance Overview

### 2.9.2 GFI Genfare Smart Cards Automated Fare Collection Systems Product

#### Introduction

#### 2.9.2.1 Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

#### 2.9.2.2 Smart Cards Automated Fare Collection Systems Product Information

### 2.9.3 GFI Genfare Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.9.3.1 GFI Genfare Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.9.3.2 Global GFI Genfare Smart Cards Automated Fare Collection Systems Market Share in 2017

## 2.10 LECIP

### 2.10.1 Business Overview

#### 2.10.1.1 LECIP Description

#### 2.10.1.2 LECIP Headquarter, Main Business and Finance Overview

### 2.10.2 LECIP Smart Cards Automated Fare Collection Systems Product Introduction

#### 2.10.2.1 Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

#### 2.10.2.2 Smart Cards Automated Fare Collection Systems Product Information

### 2.10.3 LECIP Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.10.3.1 LECIP Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

#### 2.10.3.2 Global LECIP Smart Cards Automated Fare Collection Systems Market Share in 2017

## 2.11 Shanghai Potevio Company Limited

### 2.11.1 Business Overview

### 2.11.2 Shanghai Potevio Company Limited Smart Cards Automated Fare Collection Systems Product Introduction

### 2.11.3 Shanghai Potevio Company Limited Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.12 Gunnebo

2.12.1 Business Overview

2.12.2 Gunnebo Smart Cards Automated Fare Collection Systems Product

Introduction

2.12.3 Gunnebo Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.13 GMV

2.13.1 Business Overview

2.13.2 GMV Smart Cards Automated Fare Collection Systems Product Introduction

2.13.3 GMV Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.14 Huahong Jitong

2.14.1 Business Overview

2.14.2 Huahong Jitong Smart Cards Automated Fare Collection Systems Product

Introduction

2.14.3 Huahong Jitong Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.15 GRG Banking

2.15.1 Business Overview

2.15.2 GRG Banking Smart Cards Automated Fare Collection Systems Product

Introduction

2.15.3 GRG Banking Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### **3 GLOBAL SMART CARDS AUTOMATED FARE COLLECTION SYSTEMS MARKET COMPETITION, BY MANUFACTURER**

3.1 Global Smart Cards Automated Fare Collection Systems Sales and Market Share by Manufacturer (2016-2017)

3.2 Global Smart Cards Automated Fare Collection Systems Revenue and Market Share by Manufacturer (2016-2017)

3.3 Global Smart Cards Automated Fare Collection Systems Price by Manufacturer (2016-2017)

3.4 Market Concentration Rate

3.4.1 Top 3 Smart Cards Automated Fare Collection Systems Manufacturer Market Share in 2017

3.4.2 Top 5 Smart Cards Automated Fare Collection Systems Manufacturer Market Share in 2017

3.5 Market Competition Trend

## **4 GLOBAL SMART CARDS AUTOMATED FARE COLLECTION SYSTEMS MARKET ANALYSIS BY REGIONS**

4.1 Global Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Regions

4.1.1 Global Smart Cards Automated Fare Collection Systems Sales by Regions (2013-2018)

4.1.2 Global Smart Cards Automated Fare Collection Systems Revenue by Regions (2013-2018)

4.2 North America Smart Cards Automated Fare Collection Systems Sales, Revenue and Growth Rate (2013-2018)

4.3 Europe Smart Cards Automated Fare Collection Systems Sales, Revenue and Growth Rate (2013-2018)

4.4 Asia-Pacific Smart Cards Automated Fare Collection Systems Sales, Revenue and Growth Rate (2013-2018)

4.5 South America Smart Cards Automated Fare Collection Systems Sales, Revenue and Growth Rate (2013-2018)

4.6 Middle East and Africa Smart Cards Automated Fare Collection Systems Sales, Revenue and Growth Rate (2013-2018)

## **5 NORTH AMERICA SMART CARDS AUTOMATED FARE COLLECTION SYSTEMS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

5.1 North America Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Countries

5.1.1 North America Smart Cards Automated Fare Collection Systems Sales by Countries (2013-2018)

5.1.2 North America Smart Cards Automated Fare Collection Systems Revenue by Countries (2013-2018)

5.1.3 United States Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

5.1.4 Canada Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

5.1.5 Mexico Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

5.2 North America Smart Cards Automated Fare Collection Systems Sales and Revenue (Value) by Manufacturers (2016-2017)

5.2.1 North America Smart Cards Automated Fare Collection Systems Sales by Manufacturers (2016-2017)

5.2.2 North America Smart Cards Automated Fare Collection Systems Revenue by Manufacturers (2016-2017)

5.3 North America Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Type (2013-2018)

5.3.1 North America Smart Cards Automated Fare Collection Systems Sales and Sales Share by Type (2013-2018)

5.3.2 North America Smart Cards Automated Fare Collection Systems Revenue and Revenue Share by Type (2013-2018)

5.4 North America Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Application (2013-2018)

5.4.1 North America Smart Cards Automated Fare Collection Systems Sales and Sales Share by Application (2013-2018)

5.4.2 North America Smart Cards Automated Fare Collection Systems Revenue and Revenue Share by Application (2013-2018)

## **6 EUROPE SMART CARDS AUTOMATED FARE COLLECTION SYSTEMS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

6.1 Europe Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Countries

6.1.1 Europe Smart Cards Automated Fare Collection Systems Sales by Countries (2013-2018)

6.1.2 Europe Smart Cards Automated Fare Collection Systems Revenue by Countries (2013-2018)

6.1.3 Germany Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

6.1.4 UK Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

6.1.5 France Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

6.1.6 Russia Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

6.1.7 Italy Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

6.2 Europe Smart Cards Automated Fare Collection Systems Sales and Revenue (Value) by Manufacturers (2016-2017)

6.2.1 Europe Smart Cards Automated Fare Collection Systems Sales by Manufacturers (2016-2017)

6.2.2 Europe Smart Cards Automated Fare Collection Systems Revenue by

Manufacturers (2016-2017)

6.3 Europe Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Type (2013-2018)

6.3.1 Europe Smart Cards Automated Fare Collection Systems Sales and Sales Share by Type (2013-2018)

6.3.2 Europe Smart Cards Automated Fare Collection Systems Revenue and Revenue Share by Type (2013-2018)

6.4 Europe Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Application (2013-2018)

6.4.1 Europe Smart Cards Automated Fare Collection Systems Sales and Sales Share by Application (2013-2018)

6.4.2 Europe Smart Cards Automated Fare Collection Systems Revenue and Revenue Share by Application (2013-2018)

## **7 ASIA-PACIFIC SMART CARDS AUTOMATED FARE COLLECTION SYSTEMS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

7.1 Asia-Pacific Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Countries

7.1.1 Asia-Pacific Smart Cards Automated Fare Collection Systems Sales by Countries (2013-2018)

7.1.2 Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue by Countries (2013-2018)

7.1.3 China Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

7.1.4 Japan Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

7.1.5 Korea Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

7.1.6 India Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

7.1.7 Southeast Asia Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

7.2 Asia-Pacific Smart Cards Automated Fare Collection Systems Sales and Revenue (Value) by Manufacturers (2016-2017)

7.2.1 Asia-Pacific Smart Cards Automated Fare Collection Systems Sales by Manufacturers (2016-2017)

7.2.2 Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue by Manufacturers (2016-2017)

### 7.3 Asia-Pacific Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Type (2013-2018)

7.3.1 Asia-Pacific Smart Cards Automated Fare Collection Systems Sales and Sales Share by Type (2013-2018)

7.3.2 Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue and Revenue Share by Type (2013-2018)

### 7.4 Asia-Pacific Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Application (2013-2018)

7.4.1 Asia-Pacific Smart Cards Automated Fare Collection Systems Sales and Sales Share by Application (2013-2018)

7.4.2 Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue and Revenue Share by Application (2013-2018)

## **8 SOUTH AMERICA SMART CARDS AUTOMATED FARE COLLECTION SYSTEMS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

### 8.1 South America Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Countries

8.1.1 South America Smart Cards Automated Fare Collection Systems Sales by Countries (2013-2018)

8.1.2 South America Smart Cards Automated Fare Collection Systems Revenue by Countries (2013-2018)

8.1.3 Brazil Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

8.1.4 Argentina Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

8.1.5 Colombia Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

### 8.2 South America Smart Cards Automated Fare Collection Systems Sales and Revenue (Value) by Manufacturers (2016-2017)

8.2.1 South America Smart Cards Automated Fare Collection Systems Sales by Manufacturers (2016-2017)

8.2.2 South America Smart Cards Automated Fare Collection Systems Revenue by Manufacturers (2016-2017)

### 8.3 South America Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Type (2013-2018)

8.3.1 South America Smart Cards Automated Fare Collection Systems Sales and Sales Share by Type (2013-2018)

8.3.2 South America Smart Cards Automated Fare Collection Systems Revenue and

Revenue Share by Type (2013-2018)

8.4 South America Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Application (2013-2018)

8.4.1 South America Smart Cards Automated Fare Collection Systems Sales and Sales Share by Application (2013-2018)

8.4.2 South America Smart Cards Automated Fare Collection Systems Revenue and Revenue Share by Application (2013-2018)

## **9 MIDDLE EAST AND AFRICA SMART CARDS AUTOMATED FARE COLLECTION SYSTEMS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

9.1 Middle East and Africa Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Countries

9.1.1 Middle East and Africa Smart Cards Automated Fare Collection Systems Sales by Countries (2013-2018)

9.1.2 Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue by Countries (2013-2018)

9.1.3 Saudi Arabia Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

9.1.4 UAE Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

9.1.5 Egypt Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

9.1.6 Nigeria Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

9.1.7 South Africa Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

9.2 Middle East and Africa Smart Cards Automated Fare Collection Systems Sales and Revenue (Value) by Manufacturers (2016-2017)

9.2.1 Middle East and Africa Smart Cards Automated Fare Collection Systems Sales by Manufacturers (2016-2017)

9.2.2 Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue by Manufacturers (2016-2017)

9.3 Middle East and Africa Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Type (2013-2018)

9.3.1 Middle East and Africa Smart Cards Automated Fare Collection Systems Sales and Sales Share by Type (2013-2018)

9.3.1 Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue and Revenue Share by Type (2013-2018)

9.4 Middle East and Africa Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Application (2013-2018)

9.4.1 Middle East and Africa Smart Cards Automated Fare Collection Systems Sales and Sales Share by Application (2013-2018)

9.4.2 Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue and Revenue Share by Application (2013-2018)

## **10 GLOBAL SMART CARDS AUTOMATED FARE COLLECTION SYSTEMS MARKET SEGMENT BY TYPE**

10.1 Global Smart Cards Automated Fare Collection Systems Sales, Revenue and Market Share by Type (2013-2018)

10.1.1 Global Smart Cards Automated Fare Collection Systems Sales and Market Share by Type (2013-2018)

10.1.2 Global Smart Cards Automated Fare Collection Systems Revenue and Market Share by Type (2013-2018)

10.2 Farebox Sales Growth and Price

10.2.1 Global Farebox Sales Growth (2013-2018)

10.2.2 Global Farebox Price (2013-2018)

10.3 Ticket Vending Machines (TVM) Sales Growth and Price

10.3.1 Global Ticket Vending Machines (TVM) Sales Growth (2013-2018)

10.3.2 Global Ticket Vending Machines (TVM) Price (2013-2018)

10.4 Validator Sales Growth and Price

10.4.1 Global Validator Sales Growth (2013-2018)

10.4.2 Global Validator Price (2013-2018)

## **11 GLOBAL SMART CARDS AUTOMATED FARE COLLECTION SYSTEMS MARKET SEGMENT BY APPLICATION**

11.1 Global Smart Cards Automated Fare Collection Systems Sales Market Share by Application (2013-2018)

11.2 Off-Board Sales Growth (2013-2018)

11.3 On-Board Sales Growth (2013-2018)

## **12 SMART CARDS AUTOMATED FARE COLLECTION SYSTEMS MARKET FORECAST (2018-2023)**

12.1 Global Smart Cards Automated Fare Collection Systems Sales, Revenue and Growth Rate (2018-2023)

## 12.2 Smart Cards Automated Fare Collection Systems Market Forecast by Regions (2018-2023)

### 12.2.1 North America Smart Cards Automated Fare Collection Systems Market Forecast (2018-2023)

### 12.2.2 Europe Smart Cards Automated Fare Collection Systems Market Forecast (2018-2023)

### 12.2.3 Asia-Pacific Smart Cards Automated Fare Collection Systems Market Forecast (2018-2023)

### 12.2.4 South America Smart Cards Automated Fare Collection Systems Market Forecast (2018-2023)

### 12.2.5 Middle East and Africa Smart Cards Automated Fare Collection Systems Market Forecast (2018-2023)

## 12.3 Smart Cards Automated Fare Collection Systems Market Forecast by Type (2018-2023)

### 12.3.1 Global Smart Cards Automated Fare Collection Systems Sales Forecast by Type (2018-2023)

### 12.3.2 Global Smart Cards Automated Fare Collection Systems Market Share Forecast by Type (2018-2023)

## 12.4 Smart Cards Automated Fare Collection Systems Market Forecast by Application (2018-2023)

### 12.4.1 Global Smart Cards Automated Fare Collection Systems Sales Forecast by Application (2018-2023)

### 12.4.2 Global Smart Cards Automated Fare Collection Systems Market Share Forecast by Application (2018-2023)

## **13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS**

### 13.1 Sales Channel

#### 13.1.1 Direct Marketing

#### 13.1.2 Indirect Marketing

#### 13.1.3 Marketing Channel Future Trend

### 13.2 Distributors, Traders and Dealers

## **14 RESEARCH FINDINGS AND CONCLUSION**

## **15 APPENDIX**

### 15.1 Methodology

### 15.2 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Smart Cards Automated Fare Collection Systems Picture

Table Product Specifications of Smart Cards Automated Fare Collection Systems

Figure Global Smart Cards Automated Fare Collection Systems CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global Smart Cards Automated Fare Collection Systems CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of Smart Cards Automated Fare Collection Systems by Types in 2017

Figure Farebox Picture

Table Major Manufacturers of Farebox

Figure Ticket Vending Machines (TVM) Picture

Table Major Manufacturers of Ticket Vending Machines (TVM)

Figure Validator Picture

Table Major Manufacturers of Validator

Figure Smart Cards Automated Fare Collection Systems Sales Market Share by Applications in 2017

Figure Off-Board Picture

Figure On-Board Picture

Figure United States Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Canada Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Germany Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure France Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure UK Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Russia Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Italy Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure China Smart Cards Automated Fare Collection Systems Revenue (Value) and

Growth Rate (2013-2023)

Figure Japan Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Korea Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure India Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Brazil Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Egypt Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Saudi Arabia Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure South Africa Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Figure Nigeria Smart Cards Automated Fare Collection Systems Revenue (Value) and Growth Rate (2013-2023)

Table Cubic Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table Cubic Corporation Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

Table Cubic Corporation Smart Cards Automated Fare Collection Systems Product

Table Cubic Corporation Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Cubic Corporation Smart Cards Automated Fare Collection Systems Sales Market Share in 2017

Figure Global Cubic Corporation Smart Cards Automated Fare Collection Systems Revenue Market Share in 2017

Table The Nippon Signal Headquarter, Established, Main Business and Finance Overview (2017)

Table The Nippon Signal Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

Table The Nippon Signal Smart Cards Automated Fare Collection Systems Product

Table The Nippon Signal Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global The Nippon Signal Smart Cards Automated Fare Collection Systems Sales Market Share in 2017

Figure Global The Nippon Signal Smart Cards Automated Fare Collection Systems Revenue Market Share in 2017

Table Omron Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table Omron Corporation Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

Table Omron Corporation Smart Cards Automated Fare Collection Systems Product

Table Omron Corporation Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Omron Corporation Smart Cards Automated Fare Collection Systems Sales Market Share in 2017

Figure Global Omron Corporation Smart Cards Automated Fare Collection Systems Revenue Market Share in 2017

Table Scheidt & Bachmann Headquarter, Established, Main Business and Finance Overview (2017)

Table Scheidt & Bachmann Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

Table Scheidt & Bachmann Smart Cards Automated Fare Collection Systems Product

Table Scheidt & Bachmann Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Scheidt & Bachmann Smart Cards Automated Fare Collection Systems Sales Market Share in 2017

Figure Global Scheidt & Bachmann Smart Cards Automated Fare Collection Systems Revenue Market Share in 2017

Table Thales Group Headquarter, Established, Main Business and Finance Overview (2017)

Table Thales Group Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

Table Thales Group Smart Cards Automated Fare Collection Systems Product

Table Thales Group Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Thales Group Smart Cards Automated Fare Collection Systems Sales Market Share in 2017

Figure Global Thales Group Smart Cards Automated Fare Collection Systems Revenue Market Share in 2017

Table INIT Headquarter, Established, Main Business and Finance Overview (2017)

Table INIT Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

Table INIT Smart Cards Automated Fare Collection Systems Product

Table INIT Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global INIT Smart Cards Automated Fare Collection Systems Sales Market Share in 2017

Figure Global INIT Smart Cards Automated Fare Collection Systems Revenue Market Share in 2017

Table Huaming Headquarter, Established, Main Business and Finance Overview (2017)

Table Huaming Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

Table Huaming Smart Cards Automated Fare Collection Systems Product

Table Huaming Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Huaming Smart Cards Automated Fare Collection Systems Sales Market Share in 2017

Figure Global Huaming Smart Cards Automated Fare Collection Systems Revenue Market Share in 2017

Table Xerox Headquarter, Established, Main Business and Finance Overview (2017)

Table Xerox Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

Table Xerox Smart Cards Automated Fare Collection Systems Product

Table Xerox Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Xerox Smart Cards Automated Fare Collection Systems Sales Market Share in 2017

Figure Global Xerox Smart Cards Automated Fare Collection Systems Revenue Market Share in 2017

Table GFI Genfare Headquarter, Established, Main Business and Finance Overview (2017)

Table GFI Genfare Smart Cards Automated Fare Collection Systems Production Bases, Sales Regions and Major Competitors

Table GFI Genfare Smart Cards Automated Fare Collection Systems Product

Table GFI Genfare Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global GFI Genfare Smart Cards Automated Fare Collection Systems Sales Market Share in 2017

Figure Global GFI Genfare Smart Cards Automated Fare Collection Systems Revenue Market Share in 2017

Table LECIP Headquarter, Established, Main Business and Finance Overview (2017)

Table LECIP Smart Cards Automated Fare Collection Systems Production Bases, Sales

## Regions and Major Competitors

Table LECIP Smart Cards Automated Fare Collection Systems Product

Table LECIP Smart Cards Automated Fare Collection Systems Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global LECIP Smart Cards Automated Fare Collection Systems Sales Market Share in 2017

Figure Global LECIP Smart Cards Automated Fare Collection Systems Revenue Market Share in 2017

Table Shanghai Potevio Company Limited

Table Shanghai Potevio Company Limited Smart Cards Automated Fare Collection Systems

Table Gunnebo

Table Gunnebo Smart Cards Automated Fare Collection Systems

Table GMV

Table GMV Smart Cards Automated Fare Collection Systems

Table Huahong Jitong

Table Huahong Jitong Smart Cards Automated Fare Collection Systems

Table GRG Banking

Table GRG Banking Smart Cards Automated Fare Collection Systems

Table Global Smart Cards Automated Fare Collection Systems Sales by Manufacturer (2016-2017)

Figure Global Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2016

Figure Global Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2017

Table Global Smart Cards Automated Fare Collection Systems Revenue by Manufacturer (2016-2017)

Figure Global Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2016

Figure Global Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2017

Table Global Smart Cards Automated Fare Collection Systems Price by Manufacturer (2016-2017)

Figure Top 3 Smart Cards Automated Fare Collection Systems Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Smart Cards Automated Fare Collection Systems Manufacturer (Revenue) Market Share in 2017

Figure Global Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Global Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Table Global Smart Cards Automated Fare Collection Systems Sales by Regions (2013-2018)

Table Global Smart Cards Automated Fare Collection Systems Sales Market Share by Regions (2013-2018)

Table Global Smart Cards Automated Fare Collection Systems Revenue by Regions (2013-2018)

Figure Global Smart Cards Automated Fare Collection Systems Revenue Market Share by Regions in 2013

Figure Global Smart Cards Automated Fare Collection Systems Revenue Market Share by Regions in 2017

Figure North America Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure North America Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Figure Europe Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Europe Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Figure South America Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure South America Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Figure Middle East and Africa Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Figure North America Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Sales by Countries (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Sales Market Share by Countries (2013-2018)

Figure North America Smart Cards Automated Fare Collection Systems Sales Market

Share by Countries in 2013

Figure North America Smart Cards Automated Fare Collection Systems Sales Market

Share by Countries in 2017

Table North America Smart Cards Automated Fare Collection Systems Revenue by Countries (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Revenue Market Share by Countries (2013-2018)

Figure North America Smart Cards Automated Fare Collection Systems Revenue Market Share by Countries in 2013

Figure North America Smart Cards Automated Fare Collection Systems Revenue Market Share by Countries in 2017

Figure United States Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Canada Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Mexico Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Sales by Manufacturer (2016-2017)

Figure North America Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2016

Figure North America Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2017

Table North America Smart Cards Automated Fare Collection Systems Revenue by Manufacturer (2016-2017)

Figure North America Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2016

Figure North America Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2017

Table North America Smart Cards Automated Fare Collection Systems Sales by Type (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Sales Share by Type (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Revenue by Type (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Revenue Share by Type (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Sales by Application (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Sales Share by Application (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Revenue by Application (2013-2018)

Table North America Smart Cards Automated Fare Collection Systems Revenue Share by Application (2013-2018)

Figure Europe Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Sales by Countries (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Sales Market Share by Countries (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Revenue by Countries (2013-2018)

Figure Europe Smart Cards Automated Fare Collection Systems Revenue Market Share by Countries in 2016

Figure Europe Smart Cards Automated Fare Collection Systems Revenue Market Share by Countries in 2017

Figure Germany Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure UK Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure France Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Russia Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Italy Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Sales by Manufacturer (2016-2017)

Figure Europe Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2016

Figure Europe Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2017

Table Europe Smart Cards Automated Fare Collection Systems Revenue by Manufacturer (2016-2017)

Figure Europe Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2016

Figure Europe Smart Cards Automated Fare Collection Systems Revenue Market

Share by Manufacturer in 2017

Table Europe Smart Cards Automated Fare Collection Systems Sales by Type (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Sales Share by Type (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Revenue by Type (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Revenue Share by Type (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Sales by Application (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Sales Share by Application (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Revenue by Application (2013-2018)

Table Europe Smart Cards Automated Fare Collection Systems Revenue Share by Application (2013-2018)

Figure Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Sales by Countries (2013-2018)

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Sales Market Share by Countries (2013-2018)

Figure Asia-Pacific Smart Cards Automated Fare Collection Systems Sales Market Share by Countries 2017

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue by Countries (2013-2018)

Figure Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue Market Share by Countries 2017

Figure China Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Japan Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Korea Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure India Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Southeast Asia Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Sales by Manufacturer (2016-2017)

Figure Asia-Pacific Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2016

Figure Asia-Pacific Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2017

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue by Manufacturer (2016-2017)

Figure Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2016

Figure Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2017

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Sales by Type (2013-2018)

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Sales Share by Type (2013-2018)

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue by Type (2013-2018)

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue Share by Type (2013-2018)

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Sales by Application (2013-2018)

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Sales Share by Application (2013-2018)

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue by Application (2013-2018)

Table Asia-Pacific Smart Cards Automated Fare Collection Systems Revenue Share by Application (2013-2018)

Figure South America Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Sales by Countries (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Sales Market Share by Countries (2013-2018)

Figure South America Smart Cards Automated Fare Collection Systems Sales Market Share by Countries in 2017

Table South America Smart Cards Automated Fare Collection Systems Revenue by Countries (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Revenue

Market Share by Countries (2013-2018)

Figure South America Smart Cards Automated Fare Collection Systems Revenue

Market Share by Countries in 2017

Figure Brazil Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Argentina Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Colombia Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Sales by Manufacturer (2016-2017)

Figure South America Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2016

Figure South America Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2017

Table South America Smart Cards Automated Fare Collection Systems Revenue by Manufacturer (2016-2017)

Figure South America Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2016

Figure South America Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2017

Table South America Smart Cards Automated Fare Collection Systems Sales by Type (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Sales Share by Type (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Revenue by Type (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Revenue Share by Type (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Sales by Application (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Sales Share by Application (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Revenue by Application (2013-2018)

Table South America Smart Cards Automated Fare Collection Systems Revenue Share by Application (2013-2018)

Figure Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue and Growth Rate (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems Sales by Countries (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems Sales Market Share by Countries (2013-2018)

Figure Middle East and Africa Smart Cards Automated Fare Collection Systems Sales Market Share by Countries in 2017

Table Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue by Countries (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue Market Share by Countries in 2013

Figure Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue Market Share by Countries in 2017

Figure Saudi Arabia Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure UAE Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Egypt Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure Nigeria Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Figure South Africa Smart Cards Automated Fare Collection Systems Sales and Growth Rate (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems Sales by Manufacturer (2016-2017)

Figure Middle East and Africa Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2016

Figure Middle East and Africa Smart Cards Automated Fare Collection Systems Sales Market Share by Manufacturer in 2017

Table Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue by Manufacturer (2016-2017)

Figure Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2016

Figure Middle East and Africa Smart Cards Automated Fare Collection Systems Revenue Market Share by Manufacturer in 2017

Table Middle East and Africa Smart Cards Automated Fare Collection Systems Sales by Type (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems Sales

Share by Type (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems

Revenue by Type (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems

Revenue Share by Type (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems Sales  
by Application (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems Sales  
Share by Application (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems  
Revenue by Application (2013-2018)

Table Middle East and Africa Smart Cards Automated Fare Collection Systems  
Revenue Share by Application (2013-2018)

Table Global Smart Cards Automated Fare Collection Systems Sales by Type  
(2013-2018)

Table Global Smart Cards Automated Fare Collection Systems Sales Share by Type  
(2013-2018)

Table Global Smart Cards Automated Fare Collection Systems Revenue by Type  
(2013-2018)

Table Global Smart Cards Automated Fare Collection Systems Revenue Share by Type  
(2013-2018)

Figure Global Farebox Sales Growth (2013-2018)

Figure Global Farebox Price (2013-2018)

Figure Global Ticket Vending Machines (TVM) Sales Growth (2013-2018)

Figure Global Ticket Vending Machines (TVM) Price (2013-2018)

Figure Global Validator Sales Growth (2013-2018)

Figure Global Validator Price (2013-2018)

Table Global Smart Cards Automated Fare Collection Systems Sales by Application  
(2013-2018)

Table Global Smart Cards Automated Fare Collection Systems Sales Share by  
Application (2013-2018)

Figure Global Off-Board Sales Growth (2013-2018)

Figure Global On-Board Sales Growth (2013-2018)

Figure Global Smart Cards Automated Fare Collection Systems Sales, Revenue and  
Growth Rate (2018-2023)

Table Global Smart Cards Automated Fare Collection Systems Sales Forecast by  
Regions (2018-2023)

Table Global Smart Cards Automated Fare Collection Systems Market Share Forecast  
by Regions (2018-2023)

Figure North America Sales Smart Cards Automated Fare Collection Systems Market Forecast (2018-2023)

Figure Europe Sales Smart Cards Automated Fare Collection Systems Market Forecast (2018-2023)

Figure Asia-Pacific Sales Smart Cards Automated Fare Collection Systems Market Forecast (2018-2023)

Figure South America Sales Smart Cards Automated Fare Collection Systems Market Forecast (2018-2023)

Figure Middle East and Africa Sales Smart Cards Automated Fare Collection Systems Market Forecast (2018-2023)

Table Global Smart Cards Automated Fare Collection Systems Sales Forecast by Type (2018-2023)

Table Global Smart Cards Automated Fare Collection Systems Market Share Forecast by Type (2018-2023)

Table Global Smart Cards Automated Fare Collection Systems Sales Forecast by Application (2018-2023)

Table Global Smart Cards Automated Fare Collection Systems Market Share Forecast by Application (2018-2023)

Table Distributors/Traders/ Dealers List

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