

Electronic Access Control Systems (EACS): Market Research Report

<https://marketpublishers.com/r/EFDD8929CF0EN.html>

Date: December 2018

Pages: 685

Price: US\$ 5,600.00 (Single User License)

ID: EFDD8929CF0EN

Abstracts

This report analyzes the worldwide markets for Electronic Access Control Systems (EACS) in US\$ by the following Types: Card-Based EACS, Biometrics-Based EACS, Audio and Video-Based EACS, and Keypad-Based EACS. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World.

Annual estimates and forecasts are provided for the period 2016 through 2024.

Also, a five-year historic analysis is provided for these markets.

Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs.

The report profiles 243 companies including many key and niche players such as -

ADT LLC

Allegion plc

ASSA ABLOY AB

Axis Communications AB

BIO-key, International, Inc.

Bosch Security Systems

Contents

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations

Disclaimers

Data Interpretation & Reporting Level

Quantitative Techniques & Analytics

Product Definitions and Scope of Study

Card-Based EACS

Biometrics-Based EACS

Audio and Video-Based EACS

Keypad-Based EACS

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW

EACS: Enabling Easier Protection and Control of Assets, People, and Property through Authorized & Restricted Access

EACS: The Dominant Electronic Security Systems Category

Table 1. Global Electronic Security Systems Market by Category (2017): Percentage Share Breakdown of Revenues for Alarms, Electronic Access Control Systems, CCTV and Video Surveillance Systems, and Others (includes corresponding Graph/Chart)

Important Factors Driving Widespread Adoption of EACS over the Years

Consumer Perception of Crime

Regulatory Mandates

New Building Constructions/Renovations

Product Innovations & Introductions

Growing Need to Establish a National Identity Framework in Countries across the World: The Fundamental Growth Driver

Secure Document Implementations across the World by 2021

Economic Empowerment through National Identity

Mobile Identity (mID)

Digital Driver's License on the Mobile Phone

National Identity Schemes

Global Market Outlook

Developing Countries to Spearhead Growth and Replace the Hitherto Dominant US and European Markets

Table 2. Global Electronic Access Control Systems (EACS) Market (2017): Value Market Shares of Developed Regions/Countries (includes corresponding Graph/Chart)

Table 3. Global Electronic Access Control Systems Market - Major Regions/Countries Ranked by Value CAGR for 2016-2024: Asia-Pacific, Latin America, Rest of World, USA, Canada, Europe, and Japan (includes corresponding Graph/Chart)

2. COMPETITION

Electronic Access Control Systems Marketplace: Fragmented and Highly Competitive

Table 4. Leading Players in the Global Access Control Market (2017): Percentage Market Share Breakdown of Value Sales for Allegion, ASSA ABLOY, dormakaba, Stanley Black & Decker, and Others (includes corresponding Graph/Chart)

Major Smart Card Companies Summarized

Major Players in Card-Based Access Systems Summarized

Notable Access Control Systems

Protection

Tyco

Brivo

ADT

IDenticard

Stanley

Kisi

Honeywell

Vanderbilt

ISONAS

Rising Competition and Maturing Demand Scenario: Major Deterrents for Card-Based

EACS Players

Players from Developed Markets Face Growing Competition from Low-Cost Asian Manufacturers

Rising Competition Lead to Falling Equipment Prices

Asian Manufacturers Steadily Penetrate the Global Fingerprint Biometrics Market

Widespread Consumer Awareness: The Crucible for Success

M&A Activity Rife in the EACS Market

Select Merger & Acquisition (M&A) Deals in the Global EACS Marketplace: 2013-2017

3. MARKET TRENDS & DRIVERS

EACS' Grand Convergence Supported by Game Changing Trends and Technologies Drive Strong Market Growth

Wireless Technology

Cybersecurity

Biometrics

Near Field Communications

Drone Technology

Advancement of IP

Convergence

Internet of Things (IoT)

The Cloud

Compliance

Wireless Locks

Secure, Connected Identities

Modularization of Systems

User Privacy

Advanced Authentication Options

Policy and Deployment

Industry Collaborations & Cross Industry Partnerships

Other Prominent Factors

Widespread Adoption of Smart Mobile Devices Enabling Anytime, Anywhere Access

Control Drive Market Penetration

Smartphones Revolutionize Access Control Technology

Global Smartphones Penetration: Important Opportunity Indicators

Table 5. Global Smartphone Adoption Rate (%) and Connections (Millions) for the Period 2013-2020 (includes corresponding Graph/Chart)

Table 6. Smartphone Penetration as a Proportion (%) of Total Mobile Users in Select Countries (2015 & 2017) (includes corresponding Graph/Chart)

Growing Popularity of Smarts Cards in Providing Enhanced Protection Drives Healthy Demand for Card-Based EACS

Smart Cards Outshines Traditional Legacy & Proximity Cards

Remote Login Made Secure by Smart Card Based EACS

Demand for Multi-Application Smart Cards Gain Momentum

Multiple Applications of Smart Cards Summarized

Smart Card EACS as Smart ID Badges

Smart Card EACS for Accessing Free Hospitality & Food Services

Smart Card EACS as Attendance Management Tool

Smart Card EACS for 'Transit & Parking Service' Payments

Smart Cards Aim to Enable Equipment Access in Industrial Applications

Biometrics: The Critically Important Authentication Technology Fast Replace the Vulnerable Traditional Access Control Approaches

Benefits

Market Drivers in a Nutshell

Market Inhibitors

Biometrics: The Dominant Electronic Access Control Technology

Frictionless Face and Iris Recognition Technologies to Take Over Fingerprint Biometrics

Frictionless Access Control vis-à-vis Multi-Modal Biometrics

Law Enforcement Agencies to Invest Significantly in Biometrics Implementations

Expanding e-Governance Projects Drive Opportunities

Prisons & Detention Centers Bank on Biometrics Technology

Ubiquitous Access Control Cards to Stay Relevant Despite Rise of Biometrics

Massive Installed Base

Non-Requirement of Higher Security

Cards Work Every Time

Simple Measures to Improve Card Security

Upcoming Smart Cities to Fuel Large-Scale Adoption

Table 7. Number of Smart Cities Worldwide (2013, 2015, 2017E, and 2020P) (includes corresponding Graph/Chart)

Table 8. Number of Smart Cities Worldwide by Geographic Region (2025) (includes corresponding Graph/Chart)

Smart Homes to Drive Demand for Biometric Solutions
Growing Trend towards Affordable & Efficient Access Control Solutions Boost Adoption of Cloud Based ACaaS
Access Control as a Service (ACaaS): A Plug and Play Environment for Access Control Deployments
Cloud Services to Drive Mobility for Audio & Video Authentication
Rising Need for Identification and Authentication Drive Demand in the Commercial & Enterprise Sector
Globalization & Workforce Decentralization Boost EACS Demand
Stringent Data Protection Laws Benefit Prospects in the Enterprise Sector
Biometrics Identify Potential Opportunities in the Retail Segment
E-Commerce/M-Commerce: Opportunities Galore
Small and Mid-Sized Businesses: A Lucrative Market Segment
Banking and Financial Services Sector: Most Promising End-use Market for EACS
Biometric Payment Cards Provide Additional Security
Expanding Social Network Footprint Opens Opportunities
EACS: A Mandatory Requirement for the Industrial Sector
Hand Geometry Biometrics for Harsh Working Environments
Behavioral EACS Technologies Gain Prominence
Rising Penetration of EACS Solutions in Airport Security Promote Market Expansion
Immigration Control & Travel Document Verification
EACS Deployments Gain Traction in the Hospitality Sector
Card-based EACS: A Widely Acknowledged Access Technology in Hospitality Facilities
Different Types of Access Cards for Hospitality Sector: A Snapshot
Hospitality Sector Offers Significant Growth Opportunities for Biometrics-based EACS
Increasing Deployments of EACS in the Education Sector Lends Traction to Market Growth
Smart Card EACS Gaining Traction in Educational Facilities
Healthcare Establishments Offer Huge Untapped Market Potential for EACS
Contactless Access
Smart Cards and Readers
Recovery in Construction Activity Worldwide Offer Bright Prospects for the EACS Market

Table 9. Global Construction Output by Country (2016): Breakdown of Construction Output (US\$ Billion) and Percentage Change by 2022 (includes corresponding Graph/Chart)

Table 10. Percentage Contribution to Growth in Global Construction Output by Major Countries over the Period 2010-2022 (includes corresponding Graph/Chart)

Table 11. Growth in the Global Construction Market by Sector: 2018-2022 (includes corresponding Graph/Chart)

Table 12. Global Construction Market by Region (2017 & 2020P): Percentage Breakdown of Construction Spending for Asia, Western Europe, North America, Latin America, Eastern Europe, Africa, and Middle East (includes corresponding Graph/Chart)

Exponential Increase in Global Urban Population Benefits Market Demand

Table 13. World Urban Population in Thousands: 1950-2050P (includes corresponding Graph/Chart)

Table 14. Percentage of Urban Population in Select Countries (2016 & 2050) (includes corresponding Graph/Chart)

4. INNOVATIONS AND ADVANCEMENTS

Cloud-based PACS (Physical-Access- Control-Systems)

Mobile Credential System, Two-Factor Authentication System and Other Advanced Systems

Smartphones as Credentials for Cardless Financial Transactions

Offline/Wireless Locks

Sony's FeliCa Technology

Bigger Fingerprint Sensors for Smart Cards

Advancements in Smart Card Readers

IP-Based Access Control Solutions

Wireless Access Control Solutions

Innovative Wire-Free Access Control Solutions

Aperio

CLIQ

SMARTair

Intelligent Buildings and Intelligent Smart Security Systems

Intelligent Smart Applications
Select Innovative Access Control Solutions and Components
Symmetry V8.1 Access Control Software
Pure IP RC-04 from ISONAS
New Advanced Access Control Solutions from Yale
JustIN Mobile
IOM Access Control Tablet
Cellular Select Gate Series
HID Mobile Access
Trilogy T2 DL2700LD Keyless, Wireless Lock
Keys as a Service
PoE Locks
Detex Lockdown Solution for Educational Facilities
Keyscan Aurora Access Control Management Software
Net2 PaxLock Wireless Access Control Unit
Open Options SSPD2 Intelligent Controller
i2 Box Mini Access Control Management Appliance
Video Intercom with multiCLASS SE Card Readers
FlashLock for Mobile Access
USB Audit Lock 3006/3007
K200 Cabinet Locks
Universal Grade 1 Strikes
XS4 One
XS4 Mini Escutcheon
DKS 9024 Slide Gate Operator
nex-Touch Keypad Lock
Integrated Access Control Solutions
Innovative Access Control Solutions for the Healthcare Industry
KeyWatcher Touch Solution
NDE Wireless Locks
Electric-Release Control Trim Solutions
Keyscan Aurora Access Control Management Software
Dortronics 1107xEDR Locks
AT-5200 Tailgate-Detection System
Multi-Technology Solutions
Network Interface Card (NIC) for Wi-Fi Based Wireless LAN
EFT-POS Terminals & Contactless Readers
Fingerprint Recognition Systems with Multiple Fingerprint Readers
Contactless Fingerprint Systems

High Mega Pixel HD Resolution Cameras for Face Recognition

3D TECHNOLOGY IN FACE RECOGNITION BIOMETRICS

Key Comparisons: 2D VS 3D Face Recognition

Advancements in Hand Geometry Biometrics

3D FINGERPRINT SCANNERS

Advancements in Iris Biometrics

5. ISSUES & CHALLENGES

High Implementation Costs of Card-Based EACS

Privacy Issues with Biometrics

Lack of Awareness

Lack of Interoperability: A Technical Challenge

Inhibiting Costs of Biometrics

Hygiene Issues Take Centre Stage in Fingerprint EACS

Public Apprehensions Mar Wider Adoption of Fingerprint Identification

Issues with Fingerprint Capturing

Fingerprint Capturing Issues in a Nutshell

Forgery of Fingerprints: A Major Issue

Scalability Issues with Iris Biometrics

Legal Issues with Iris Biometrics

Creating Awareness on Safety of Iris Technology: Need of the Hour

Psychological Factors: A Key Barrier to Adoption of Facial and Voice Recognition

6. PRODUCT OVERVIEW

Electronic Access Control Systems (EACS): A Prelude

Types of Electronic Access Control Systems

Card-Based Electronic Access Control Systems

Bar Code Cards

Barium Ferrite Cards

Dual Function Cards

Magnetic Stripe Cards

Wiegand Cards

Proximity Cards & Proximity Readers

Smart Cards
Optical Cards
Hands-Free Systems
Token-based systems
Legacy Technology Based Cards
Biometrics-Based Electronic Access Control Systems
Fingerprint Identification Systems
Facial Recognition Systems
Voice Recognition Systems
Hand Geometry Systems
Iris Scanning Systems
Biometrics Physical Access Control
Audio and Video-Based Electronic Access Control Systems
Keypad-Based Electronic Access Control Systems
Digital Keypad Systems
Online Systems
Multi-Technology Electronic Access Control Systems
E-Justice: Express Entry System
Biometric Sensors with Smart Cards

7. PRODUCT LAUNCHES

Midpoint Security Introduces a Free Edition of CredolD Access Control Software
HID Global Introduces New Standards-Based Identity and Access management (IAM) Solution
Traka Announces Traka32 and Traka Web Software Integrates with Open Options' DNA Fusion Platform
Alarm Lock Expands Trilogy T2 Series
Vanderbilt Rolls Out ACT365 Cloud Access Control Service
Sielox Unveils AnyWare Browser-Based Access Control Platform
Suprema Launches CoreStation
NSC Announces Ultra-Quiet Linear PRO Access and Smart Garage Door Openers
Bosch Launches a Digital Vehicle Access System
Crossmatch Introduces Nomad, line of Biometric Fingerprint Modules and Readers
Bosch Extends Flexibility and Security of LECTUS
Safran Identity & Security Launches MorphoAccess SIGMA Extreme
Crossmatch Launches Nomad Biometric Fingerprint Modules and Readers
NEC Introduces NeoFace Express Facial Recognition Solution
Identiv Introduces Physical Access Cards with MIFARE DESFire EV2

Chatsworth Unveils High-tech Cabinet Lock
Identiv Introduces RFID Access Cards
Identiv Unveils Cisco-Integrated ICPAM 3.
Suprema to Launch FaceStation

8. RECENT INDUSTRY ACTIVITY

Honeywell to Spin-Off ADI and its Home Security Businesses
Pelco and AMAG Join Forces to Provide Integrated Surveillance and Access Control Solution
IdentiSys Acquires ACS and ACS East
HID Global Acquires Arjo Systems SAS
ASSA ABLOY Acquires August Home
ADT Acquires Gaston Security
Identiv Partners with Zwipe for Access Control Card Formatting Services
HID Global to Acquire Mercury Security
ADT Acquires Protec, Inc.
SALTO Systems Partners with Genetec
Axis Integrates HID's Mobile Access Control Solution to its Network Door Controller and Entry Manager Software
ASSA ABLOY Acquires IDS
Northrop Grumman Select Livescan Solution of Crossmatch

3M SELLS IDENTITY MANAGEMENT BUSINESS TO GEMALTO

Genetec Partners with STid
Crossmatch Secures IARPA Contract
FST Biometrics Partners with Genetec
NEC Canada Enters into Agreement with Featurecom, Inc.
dormakaba Acquires Mechanical Security Business of Stanley Black & Decker
Symantec Acquires LifeLock, Inc.
Allegion and BadgePass Enters into Partnership

9. FOCUS ON SELECT GLOBAL PLAYERS

ADT LLC (USA)

Allegion plc (Ireland)
ASSA ABLOY AB (Sweden)

HID Global Corporation (USA)
Axis Communications AB (Sweden)
BIO-key, International, Inc. (USA)
Bosch Security Systems (Germany)
Crossmatch Technologies, Inc. (USA)
DoorKing, Inc. (USA)
dormakaba Holding AG (Switzerland)
Fermax Electronica S. A. U. (Spain)
Gemalto N. V. (Netherlands)
Gunnebo AB (Sweden)
Honeywell International, Inc. (USA)
IDenticard Systems (USA)
Identiv Inc. (USA)

ISONAS (USA)

Johnson Controls International Plc (Ireland)
Kisi, Inc. (USA)
NAPCO Security Technologies, Inc. (USA)
NEC Corporation of America, Inc. (USA)
Nortek Security and Control LLC (USA)
Oberthur Technologies SA (France)
IDEMIA (France)
Pelco, Inc. (USA)
SecuGen Corporation (USA)
Sony Corporation (Japan)
STANLEY Security (UK)
The Chamberlain Group, Inc. (USA)
UTC Climate, Controls & Security (USA)
Vanderbilt Industries (USA)

10. GLOBAL MARKET PERSPECTIVE

Table 15. World Recent Past, Current & Future Analysis for Electronic Access Control Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 16. World Historic Review for Electronic Access Control Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 17. World 14-Year Perspective for Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

Table 18. World Recent Past, Current & Future Analysis for Card-Based Access Control Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 19. World Historic Review for Card-Based Access Control Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 20. World 14-Year Perspective for Card-Based Access Control Systems by Geographic Region - Percentage Breakdown of Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

Table 21. World Recent Past, Current & Future Analysis for Biometrics-Based Access Control Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 22. World Historic Review for Biometrics-Based Access Control Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 23. World 14-Year Perspective for Biometrics-Based Access Control Systems by Geographic Region - Percentage Breakdown of Sales for US, Canada, Japan, Europe,

Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

Table 24. World Recent Past, Current & Future Analysis for Audio & Video-Based Access Control Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 25. World Historic Review for Audio & Video-Based Access Control Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 26. World 14-Year Perspective for Audio & Video-Based Access Control Systems by Geographic Region - Percentage Breakdown of Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

Table 27. World Recent Past, Current & Future Analysis for Keypad-Based Access Control Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 28. World Historic Review for Keypad-Based Access Control Systems by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 29. World 14-Year Perspective for Keypad-Based Access Control Systems by Geographic Region - Percentage Breakdown of Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

Table 30. World Recent Past, Current & Future Analysis for Electronic Access Control Systems by End Use Sector - Commercial, Transportation, Government, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 31. World Historic Review for Electronic Access Control Systems by End Use Sector - Commercial, Transportation, Government, and Other Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 32. World 14-Year Perspective for Electronic Access Control Systems by End Use Sector - Percentage Breakdown of Sales for Commercial, Transportation, Government, and Other Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES

A. Market Analysis

Growing Demand for New-Age Access Control Technologies in Various Application Sectors Drive Healthy Market Growth
Key Trends and Drivers Summarized

Table 33. The US Access Control Systems Market by End-Use Segment (2017E): Percentage Share Breakdown of Revenues for Banking & Financial Services; Entertainment & Retail; Government Agencies; Hospitals & Educational Centers; Office Buildings; Process & Manufacturing Facilities; Residential Buildings; and Transportation & Logistics (includes corresponding Graph/Chart)

Advanced Credential Technologies to Disrupt the US Access Control Market
Rising Government Spending on Biometric Technologies Drives Market Demand

Table 34. The US Biometrics Market by Technology Type (2017E): Percentage Share of Government Spending for Face Identification, Fingerprint Recognition, Iris Scan, Signature Recognition, and Others (includes corresponding Graph/Chart)

Table 35. Select Ongoing & Upcoming Government Biometric Systems Programs in the US

Security Enhancement Needs Spur Demand for Biometric Technologies in Airport Security

Iris Biometrics Gain Prominence in Criminal Profiling and Online/Mobile Banking
Healthcare Sector Offers Significant Growth Opportunities for Voice and Iris Biometrics
Hospitals: An Important Growth Area for Iris Biometrics
Growing Popularity of Smart Cards Sustain Market Growth for Card-Based EACS
Continued Preference for Smart Cards by Federal Agencies
UMRAA: A Novel Patient Record System Proposed for Records Maintenance
Shift to Cloud to Gain More Traction
Access Control-as-a-Service (ACaaS)
Larger Enterprise End-Users More Interested in the Technology behind Systems
Manufacturers and Systems Integrators to Improve RMR (Recurring-Monthly-Revenues)
Increasing Prominence of Integrated Systems
New Technologies Continue to Emerge
Providers of Hosted/Managed Access Control Services Target SMBs
Large Enterprises have Distinct Access Control Needs
Large Vendors in the Market to Thrive Despite the Enthusiasm of New Entrants
Urgent Need to Focus on Cybersecurity Aspects
High Profile Crime Events Spurs Demand for EACS in Education Facilities
Smart Cards in the US Universities
Fingerprint Biometrics in School Bus Transportation
Key Concerns and Challenges
Lack of Disruptive Technologies
Lack of Consistent Standards
Product Launches
Strategic Corporate Developments
Select Key Players
B. Market Analytics

Table 36. US Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 37. US Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 38. US 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

2. CANADA

A. Market Analysis

Smart Cards and Biometrics Continue to Rule the Canadian EACS Market

Regulations

Strategic Corporate Development

B. Market Analytics

Table 39. Canadian Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 40. Canadian Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 41. Canadian 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

3. JAPAN

A. Market Analysis

Growing Demand for Biometrics and Smart Cards Drive Market Growth

Facial Recognition at Airports to Boost Prospects

Sony Corporation – A Major Japan-Based Company

B. Market Analytics

Table 42. Japanese Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 43. Japanese Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 44. Japanese 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

4. EUROPE

A. Market Analysis

Market Overview

Demand for Card-Based EACS Continue to Rise in Europe

Healthcare Sector: A Major End-Use Segment for Smart Cards

Rising Focus on International Trade Bodes Well for Fingerprint Biometrics

B. Market Analytics

Table 45. European Recent Past, Current & Future Analysis for Electronic Access Control Systems by Geographic Region - France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 46. European Historic Review for Electronic Access Control Systems by Geographic Region - France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 47. European 14-Year Perspective for Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Sales for France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets for Years 2011, 2017 & 2024 (includes

corresponding Graph/Chart)

Table 48. European Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 49. European Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 50. European 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

4A. FRANCE

A. Market Analysis

Product Launch

Select Key Players

B. Market Analytics

Table 51. French Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 52. French Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 53. French 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-

Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

4B. GERMANY

A. Market Analysis

Product Launches

Bosch Security Systems – A Major Germany- Based Company

B. Market Analytics

Table 54. German Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 55. German Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 56. German 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

4C. ITALY

Market Analysis

Table 57. Italian Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 58. Italian Historic Review for Electronic Access Control Systems by Product

Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 59. Italian 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

4D. THE UNITED KINGDOM

A. Market Analysis

Increased Investments in Non-Residential Sector Drive the EACS Market
Rising Government Spending Benefit Fingerprint Biometrics Market

Table 60. The UK Biometrics Market by Technology Type (2017E): Percentage Share Breakdown of Government Spending for Face Recognition, Fingerprint Recognition, and Others (includes corresponding Graph/Chart)

IRIS Biometrics Lose Out to Chip-enabled Biometrics at the UK Airports
Increasing Deployment of Smart Cards in the Healthcare Sector Boosts Demand
Product Launch
Strategic Corporate Development
STANLEY Security – A Major UK-Based Company
B. Market Analytics

Table 61. UK Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 62. UK Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 63. UK 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

4E. SPAIN

A. Market Analysis

Strategic Corporate Development

Fermax Electronica S. A. U. – A Major Spain-Based Company

B. Market Analytics

Table 64. Spanish Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 65. Spanish Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 66. Spanish 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

4F. RUSSIA

A. Market Analysis

Increasing Government Investments Drive Biometrics Market Growth

Table 67. Russian Biometrics Market by Technology Type (2017E): Percentage Share Breakdown of Government Spending for Face Recognition, Fingerprint Recognition, Iris Scanning, Signature Recognition, and Others (includes corresponding Graph/Chart)

Electronic Security Systems Market: An Overview

Growing Adoption of Smart Card Technologies for Access Control

B. Market Analytics

Table 68. Russian Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 69. Russian Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 70. Russian 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

4G. REST OF EUROPE

A. Market Analysis

Eastern Europe Offers Significant Growth Opportunities for Smart Cards

Product Launch

Strategic Corporate Developments

Select Key Players

B. Market Analytics

Table 71. Rest of Europe Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 72. Rest of Europe Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based

EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 73. Rest of Europe 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC

A. Market Analysis

Unpenetrated and Underpenetrated Nature of the Market Offers Lucrative Market Growth Opportunities

Table 74. Global Electronic Access Control Systems Market - Major Regions/Countries Ranked by Value CAGR for 2016-2024: Asia-Pacific, Latin America, Rest of World, USA, Europe, Japan, and Canada (includes corresponding Graph/Chart)

Expanding Application Areas Augur Well for Cards Based EACS Market
Government-Led Mass Transit Projects Spur Demand for Contactless Technologies
e-Passport and National ID Programs in Several Asian Countries Boost Market Penetration

Resident Identity Card Initiative in China

UIDAI: A Major Biometrics Project in India

Asian Countries to Use Biometrics for Border Control

Select Regional Markets

China

Table 75. Leading Players in the Chinese Access Control Market (2017E): Percentage Market Share Breakdown of Revenues for Bosch, GE Security, HID Global, Honeywell, Hyundai, and Others (includes corresponding Graph/Chart)

Fingerprint Identification Systems Dominates Biometrics Deployments

Financial Institutions Spur Voice Verification Growth

Use of Smart Cards on an Upswing in the Chinese Market

India

Table 76. Indian Biometrics Market by Technology Type (2017E): Percentage Breakdown of Shipments for Fingerprint Recognition, IRIS Scanning, and Others (includes corresponding Graph/Chart)

Table 77. Indian Fingerprint Biometrics Market by End-Use Application (2017E): Percentage Breakdown of Deployments for Attendance, Banking & Financial Transactions, Home Security, and Others (includes corresponding Graph/Chart)

Massive Market Potential for Facial Recognition Systems in India

Potential Application Areas in India

Passing of Retail FDI Bill to Boost Facial Recognition Market

Smart Cards Gain Increased Acceptance

Product Launches

B. Market Analytics

Table 78. Asia-Pacific Recent Past, Current & Future Analysis for Electronic Access Control Systems by Geographic Region - China, India, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 79. Asia-Pacific Historic Review for Electronic Access Control Systems by Geographic Region - China, India, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 80. Asia-Pacific 14-Year Perspective for Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Sales for China, India, and Rest of Asia-Pacific Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

Table 81. Asia-Pacific Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 82. Asia-Pacific Historic Review for Electronic Access Control Systems by

Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 83. Asia-Pacific 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

6. LATIN AMERICA

A. Market Analysis

Review of Select Regional Markets

Brazil

Argentina

B. Market Analytics

Table 84. Latin American Recent Past, Current & Future Analysis for Electronic Access Control Systems by Geographic Region - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 85. Latin American Historic Review for Electronic Access Control Systems by Geographic Region - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 86. Latin American 14-Year Perspective for Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Sales for Brazil and Rest of Latin America Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

Table 87. Latin American Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 88. Latin American Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 89. Latin American 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

7. REST OF WORLD

A. Market Analysis

Surging Demand for Smart Card Based EACS in the MENA Region Benefit Market Penetration

Review of Select Regional Markets

Saudi Arabia

Table 90. Saudi Arabian Biometrics Market by Technology Type (2017E): Percentage Share Breakdown of Government Spending for Face Recognition, Fingerprint Recognition, and Others (includes corresponding Graph/Chart)

The United Arab Emirates

South Africa

Nigeria

B. Market Analytics

Table 91. Rest of World Recent Past, Current & Future Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 92. Rest of World Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales

Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 93. Rest of World 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Sales for Card-Based EACS; Biometrics-Based EACS; Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 243 (including Divisions/Subsidiaries - 263)

The United States (83)

Canada (10)

Japan (3)

Europe (110)

France (10)

Germany (11)

The United Kingdom (46)

Italy (9)

Spain (6)

Rest of Europe (28)

Asia-Pacific (Excluding Japan) (43)

Middle East (6)

Latin America (2)

Africa (6)

I would like to order

Product name: Electronic Access Control Systems (EACS): Market Research Report

Product link: <https://marketpublishers.com/r/EFDD8929CF0EN.html>

Price: US\$ 5,600.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/EFDD8929CF0EN.html>