Electronic Access Control Systems (EACS) - Global Strategic Business Report

Description: This report analyzes the worldwide markets for Electronic Access Control Systems (EACS) in US$ Thousand by the following Types: Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology Based Cards), Biometrics-Based EACS (Fingerprint, Face Recognition, and Voice Verification, Hand Geometry, and Iris Recognition), 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 2014 through 2020. Also, a seven-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 336 companies including many key and niche players such as -

3M Cogent
Aditech Ltd.
ADT LLC
Aiphone Co. Ltd.
Allegion Plc

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
Proximity Cards
Smart Cards
Legacy Technology Based Cards
Biometrics-Based EACS
Fingerprint, Face Recognition, and Voice Verification
Hand Geometry
Iris Recognition
Audio and Video-Based EACS
Keypad-Based EACS

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW
EACS: Ensuring Safety and Security through Authorized & Restricted Access
EACS: Largest Segment of the Overall Electronic Security Systems Market

Table 1: Global Electronic Security Systems Market by Segment (2015): Percentage Share Breakdown of Revenues for Alarms, Electronic Access Control Systems, CCTV and Video Surveillance Systems, and Others (includes corresponding Graph/Chart)
Table 2: Global Electronic Security Systems Market by Geographic Region (2015E): Percentage Share Breakdown of Revenues for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World (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
Biometrics Dominate the Global Electronic Access Control Systems Market

Benefits
Market Drivers in a Nutshell

Market Inhibitors

Economic Upheavals in the Recent Past & their Impact on the EACS Market: A Review

Growth Decelerates during the Economic Meltdown

Table 3: GDP Growth in Select World Economies: 2005
(includes corresponding Graph/Chart)

Market Avoids Hurting Erosions in Revenue Growth despite Challenges

Market Regains Growth Momentum in 2010

Despite Euro Debt Crisis & Slowdown in the US Influence Market Growth in 2012 & 2013

Recovering Growth Fundamentals Present Optimistic Future

Table 4: GDP Growth in Select Regions/Countries: 2013
(includes corresponding Graph/Chart)

Global Market Outlook

Developed Markets: Traditional Revenue Contributors

Table 5: Global Electronic Access Control Systems (EACS) Market (2015E): Value Market Shares of Developed Regions/Countries (includes corresponding Graph/Chart)

Developing Markets: Spearheading Growth in the Short-to Medium Term Period

Table 6: Global Electronic Access Control Systems Market Major Regions/Countries Ranked by Value CAGR for 2014-2020: US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World (includes corresponding Graph/Chart)

2. COMPETITION

Electronic Access Control Systems Market: Highly Competitive

Table 7: Leading Players in the Global Security Access Control Market (2014): Percentage Share Breakdown of Value Sales for Allegion, ASSA ABLOY, Dorma Group, Kaba Group, and Others (includes corresponding Graph/Chart)

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

Table 8: Leading Players in the Global Smart Card Market (2014): Percentage Share Breakdown of Revenues for Gemalto, Giesecke and Devrient, Oberthur Technologies, and Others (includes corresponding Graph/Chart)

Table 9: Leading Brands in the Global Payment Cards Market (2014): Percentage Share Breakdown of Value Sales for Amex, China UnionPay, MasterCard, PIN Debit, Visa & Others (includes corresponding Graph/Chart)

SAFRAN: Global Leader in Automated Fingerprint Identification System (AFIS) Market

Table 10: Leading AFIS Companies Worldwide (2014): Percentage Share Breakdown of Revenues for 3M Cogent, NEC Corporation, SAFRAN Group, and Others (includes corresponding Graph/Chart)

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: A Crucible for Success

M&A Activity Rife in the EACS Market


3. MARKET TRENDS & DRIVERS

Robust Demand for Biometric-Based EACS from the Government Sector: A Strong Growth Driver


Table 11: Global Biometrics Market (2014): Percentage Share Breakdown of Revenues by End-Use Sector (includes corresponding Graph/Chart)

Table 12: Global Automated Fingerprint Identification Systems (AFIS) Market by Application Area (2014): Percentage Share Breakdown of Shipments for Civil ID, Criminal ID, and Others (includes corresponding Graph/Chart)

Table 13: Global Facial Recognition Systems Market by End-use Sector (2014): Percentage Share Breakdown of Revenue for Government, Healthcare, Financial, and Others (includes corresponding Graph/Chart)

Law Enforcement Agencies to Invest Significantly in Biometrics Implementations

Expanding e-Governance Projects Drive Opportunities

Growing Prominence in Immigration Control & Travel Document Verification

Prisons & Detention Centers Bank on Biometrics Technology

Rising Need for Identification and Authentication Solutions Drive Demand in the Commercial & Enterprise Sector


Globalization & Workforce Decentralization Boost EACS Demand
Key Statistical Data:
Table 14: Global Workforce Population (2009 & 2014): Percentage Share Breakdown of Employees by Nature of Work (includes corresponding Graph/Chart)
Table 15: Global Mobile Workforce Population (2009 & 2014): Breakdown of Number of Mobile Employees in Million by Region/Country (includes corresponding Graph/Chart)
Stringent Data Protection Laws Benefit Prospects in the Enterprise Sector
Biometrics Identify Potential Opportunities in the Retail Segment
E-Commerce/M-Commerce: Opportunities Galore
Table 16: Global Electronic Payments Market (2009-2013): Annual Number of Payment Transactions (in Billions) for e-Commerce Activities (includes corresponding Graph/Chart)
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
Key Statistical Findings:
Table 17: Global Banking Biometrics Market by Technology Type (2014): Percentage Share Breakdown of Spending for Dynamic Signature, Facial Recognition, Finger Vein Pattern, Fingerprint, Hand Geometry, Hand Vein Pattern, Iris Scanning, Voice Recognition, and Others (includes corresponding Graph/Chart)
Table 18: Global Banking & Financial Services Biometrics Market by User Group (2014): Percentage Share Breakdown of Spending for Customers and Employees (includes corresponding Graph/Chart)
Expanding Social Network Footprint Opens Opportunities
The 'Inevitable' Merger of Hand Geometry with Fingerprint Identification Systems Augurs Well for the Market
EACS: A Mandatory Requirement for the Industrial Sector
Hand Geometry Biometrics for Harsh Working Environments
Cloud Solutions Boost Adoption of Biometric Technologies
Cloud Services to Drive Mobility for Audio & Video Authentication
Despite Cannibalization by Biometrics, Card-Based EACS Continues to be a Major Revenue Contributor
Logical Access Control: Market Laden with Immense Potential for Card Based EACS
Smart Cards Outshines Legacy & Proximity Cards
Table 19: Global Smart Cards Market by End-Use Sector (2014): Percentage Share Breakdown of Volume Shipments for BFSI, Government, Retail, Telecommunication, and Others (includes corresponding Graph/Chart)
Table 20: Global Smart Cards Market by Type (2014): Percentage Share Breakdown of Volume Shipments for Contact, Contactless, and Hybrid (includes corresponding Graph/Chart)
Smart Cards Face Stiff Competition from Optical Cards
Contact Cards Give Way to Contactless Card Based Access Control Technologies
Behavioral EACS Technologies Gain Prominence
Rising Penetration of EACS Solutions in Airport Security Promote Market Expansion
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 Offers Huge Untapped Market Potential for EACS
Upcoming Smart Cities to Fuel Large-Scale Adoption
Smart Homes to Drive Demand for Biometric Solutions
Growth in New Building Constructions & Office Starts to Benefit Market Expansion
Table 21: Growth in the Global Construction Market by Sector (2013-2020) (includes corresponding Graph/Chart)
Table 22: Percentage Share of Construction Spending by Region: 2014 (includes corresponding Graph/Chart)

4. TECHNOLOGY DEVELOPMENTS & ADVANCEMENTS
EACS Convergence with Mobile Platforms
Integrated Security Solutions & Advanced Network Systems
Multi-Technology Solutions
Network Interface Card (NIC) for Wi-Fi Based Wireless LAN
EFT-POS Terminals & Contactless Readers
Advanced Smart Card 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
Skin Texture Analysis in Facial Recognition Biometrics
Advancements in Hand Geometry Biometrics
3D Fingerprint Scanners
Advancements in Iris Biometrics
Hand Held Devices to Bring Portability to Iris Biometrics
Prevalence of Iris Technology in the Global Market (2013 Vs. 2020): A Comparative Study

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
Forger 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. ELECTRONIC ACCESS CONTROL SYSTEMS - AN OVERVIEW
Electronic Systems
Definition
Access Control Devices - The Most Wanted
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
The Technology
Applications
Transportation
Government Programs
Communications Applications
Physical Access
Information Security
Retail and Loyalty
University Identification
Financial Applications
Health Card
Features
Chip Operating System
Chip Operating Systems are organized into two types
Functions of COS
Multi Application Card Operating Systems (MACOS)
Tough Times Ahead for Smart Cards
Smart Card Readers
Contactless Smart Card Technology
Better than Contact Smart Card Technology
Compatibility with Other Technologies
Optical Cards
Features
Hands-Free Systems
Token-based systems
Legacy Technology Based Cards
Biometrics-Based Electronic Access Control Systems
Biometrics
Biometrics Authentication
Capture
Process
Enroll
Verify
Biometrics Vs Traditional Security Systems
Evolving Biometric Technologies
DNA Biometrics
Identification Using Skin Characteristics
Fingerprint Identification Systems
Phases of Fingerprint Identification
Enrollment
Authentication
Fingerprint Scanners
Fingerprint Sensing Technologies
Optical Sensing
Silicon Chip Sensing
Ultrasound Sensing
Loopholes
Facial Recognition Systems
Voice Recognition Systems
Forms of Voice Recognition Systems
Hand Geometry Systems
Applications
Hand Geometry Vs. Fingerprints
Iris Scanning Systems
Iris Scanning
Applications
Biometrics Physical Access Control
Biometrics is the Solution
Horizontal Applications
Vertical Applications
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
Radio Frequency Identification Systems
Electronic Asset Tracking and Protection Systems

7. PRODUCT INNOVATIONS/INTRODUCTIONS
Farpointe Data Launches Gibraltar and Guardian Contactless Proximity Card Readers
PAC Integrations Introduces EL Smart Door Handle
Blue Line Technology Launches First Line Facial Recognition System
Adams Rite Unveils New Electronic Access Control Solutions
Farpointe Data Unveils fleaPower Option
LEID Products Rolls Out BACS Asset Management System
HOYOS Labs Unveils New Biometrics-Based Technologies
Invixium Introduces IXM Series Biometric Products
Fujitsu Unveils Iris Authentication System for Smartphones
Aurora Introduces FaceSentinel
Biomatiques Identification Solutions Rolls Out New Iris Recognition Technology
HID Global Introduces Long-Range iCLASS SE Readers and Credentials
Covetek Rolls Out Biometric Access Control Systems in Australia
SALTO Unveils Wire Free Access Platform
Southco Korea Unveils New EAS Solutions for Healthcare Market in South Korea
Brady People ID Unveils BradyPROX Clamshell Cards
Iris ID Systems Launches iCAM Manager™ SDK
Iris ID Launches iCAM Entry™ Application for SMBs
SRI International Sarnoff Introduces IOM PassPort SL
ID Security Online Unveils QuickShip Proximity Cards
Anviz Global Introduces UltraMatch Iris Recognition Device
Vanderbilt Industries Introduces lite blue™
Videx Security Unveils MINI-SA2 and MINI-M
EMKA Unveils BioLock Biometric Server Rack Locking System
Precise Biometrics Rolls Out FPC1020 Touch Fingerprint Sensor
ASSA ABLOY Unveils New Access Control and Door Opening Products
Allegion Launches New Schlage Range of Biometric Technology Security Solutions
SRI International Sarnoff Rolls Out Iris on the Move® (IOM) PassThru™ System
ASSA ABLOY Unveils IN120 Wi-Fi Lock
Medeco Introduces M100 Aperio eCylinder
SwipeClock Launches Schlage biometric HandPunch GT-400
infinias Unveils EL Series Wireless Electronic Lock
Accutech Security Rolls Out FacilityGuard
IMRON Unveils Updated IS2000 Access Control Platform
Fujitsu Launches Mobile Devices with FPC Fingerprint Technology
UINT & Mereal Biometrics Unveils Biometric Smart Card
Kaba Access and Data Systems Rolls Out New Embedded Access Control Systems
Biometric Access Systems Launches Facial Recognition Employee Time Clocks

8. RECENT INDUSTRY ACTIVITY
Vanderbilt Industries Takes Over Siemens' Security Products Business
Imprivata Takes Over HT Systems
Imprivata Integrates Imprivata Cortext® with Citrix's XenMobile®
NEC Corporation of America to Provide Integra-ID 5 to Cal-ID Units in California
ZKAccess Debuts as Independent Company
Suprema Appoints Andora Systems as Exclusive Dealer in New York City
ENTERTECH SYSTEMS Signs Distribution Agreement with Mayflex
Suprema Teams Up with Access Control Technology
FotoNation Takes Over Smart Sensors
Herta Security Signs Distribution Agreement with Casmar Electronic
POSOCO ICT Collaborates with ZWIPE and South Korea Smart ID
FingerprintCards Teams Up with O-Film
Tyco Teams Up with ASSA ABLOY
Zwipe Joins Hands with HID Global
Suprema Collaborates with Genetec
Cross Match Holdings Takes Over DigitalPersona
DORMA Group Takes Over Farpointe Data
Watchful Software Receives Investment from Hudson Fairfax Group
HID Global Snaps Up Lumidigm
AOptix Technologies Establishes Terrain Biometrics
VOXX International Invests in EyeLock
FastFingerprints Expands Business Footprint
infinias Inks Strategic Integration Partnership with Identity One
ENTERTECH SYSTEMS Teams Up with Millennium Group
Cognitec Systems Inks Software Development and License Agreement with Intel
Hardware Agencies Partners with RBH Access Technologies
Kaba International Takes Over Keyscan
Card Tech Teams Up with IDEX
Suprema Expands Partnership ENTERTECH SYSTEMS
Allegion Deploys Biometric Access Control System at Queen Elizabeth Olympic Park
Suprema Joins Hands with Paxton Net2
SECUREFAST Snaps Up Innovative Electronic Technology
Oberthur Technologies to Acquire NagrAID Security
Trustonic Teams Up with FingerprintCards
FingerprintCards Joins Hands with Atmel
BehavioSec Receives Funding from Octopus and Northzone
Artec Group Deploys Facial Recognition Software in Sochi International Airport
Suprema Supplies BioMini to Kwick High-Tech
United Technologies Establishes UTC Building & Industrial Systems
Synaptics Takes Over Validity Sensors
Ingersoll-Rand Establishes Allegion
Platinum Equity Takes Over CheckView
Avigilon Takes Over RedCloud Security
Millennium Collaborates with SALTO
EyeLock Enters into Distribution Agreement with Stanley Security Solutions
IriTech Inks Reseller Agreement with Fulcrum Biometrics
Genetec Partners with ASSA ABLOY
Ingersoll Rand Inks Partnership Deal with Feedback Data
Human Recognition Systems Collaborates with CSCS
SALTO Systems Deploys Proximity Access Control System in University College Dublin
Brand New Technologies Inks Reseller Agreement with Iris ID

9. FOCUS ON SELECT GLOBAL PLAYERS
3M Cogent (US)
Aditech Ltd. (UK)
ADT LLC (US)
Aiphone Co. Ltd. (Japan)
Allgegen Plc (Ireland)
ASSA ABLOY AB (Sweden)
BIO-key, International, Inc. (US)
Bosch Security Systems (Germany)
Cross Match Technologies, Inc. (US)
DoorKing Inc. (US)
DORMA Group (Germany)
Gunnebo AB (Sweden)
Honeywell International Inc. (US)
Identiv Inc. (US)
Imprivata®, Inc. (US)
Johnson Controls, Inc. (US)
Kaba Group (Switzerland)
NAPCO Security Systems, Inc. (US)
NEC Corporation of America
Nortek, Inc. (US)
SAFRAN Group (France)
Schneider Electric (France)
SecuGen Corporation (US)
STANLEY Security (UK)
The Chamberlain Group, Inc. (US)
UTC Building and Industrial Systems (US)
Chubb Securite S.A.S (France)
GE Security Inc. (US)
Vanderbilt Industries (US)

10. GLOBAL MARKET PERSPECTIVE
Table 23: World Recent Past, Current & Future Market 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 2014 through 2020 (includes corresponding Graph/Chart)
Table 24: 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 2007 through 2013 (includes corresponding Graph/Chart)
Table 25: World 14-Year Perspective for Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 26: World Recent Past, Current & Future Market Analysis for Card-Based 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 2014 through 2020 (includes corresponding Graph/Chart)
Table 27: World Historic Review for Card-Based 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 2007 through 2013 (includes corresponding Graph/Chart)
Table 28: World 14-Year Perspective for Card-Based Electronic Access Control Systems by Geographic Region
- Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart).

Table 29: World Recent Past, Current & Future Market Analysis for Card-Based Electronic Access Control Systems by Product Segment - Proximity Cards, Smart Cards, and Legacy Technology-Based Cards Markets Independently Analyzed with Annual Sales Figures in US $ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart).

Table 30: World Historic Review for Card-Based Electronic Access Control Systems by Product Segment - Proximity Cards, Smart Cards, and Legacy Technology-Based Cards Markets Independently Analyzed with Annual Sales Figures in US $ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart).

Table 31: World 14-Year Perspective for Card-Based Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart).

Table 32: World Recent Past, Current & Future Market Analysis for Proximity Cards 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 2014 through 2020 (includes corresponding Graph/Chart).

Table 33: World Historic Review for Proximity Cards 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 2007 through 2013 (includes corresponding Graph/Chart).

Table 34: World 14-Year Perspective for Proximity Cards by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart).

Table 35: World Recent Past, Current & Future Market Analysis for Smart Cards 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 2014 through 2020 (includes corresponding Graph/Chart).

Table 36: World Historic Review for Smart Cards 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 2007 through 2013 (includes corresponding Graph/Chart).

Table 37: World 14-Year Perspective for Smart Cards by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart).

Table 38: World Recent Past, Current & Future Market Analysis for Legacy Technology-Based Cards 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 2014 through 2020 (includes corresponding Graph/Chart).

Table 39: World Historic Review for Legacy Technology-Based Cards 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 2007 through 2013 (includes corresponding Graph/Chart).

Table 40: World 14-Year Perspective for Legacy Technology-Based Cards by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart).

Table 41: World Recent Past, Current & Future Market Analysis for Biometrics-Based 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 2014 through 2020 (includes corresponding Graph/Chart).

Table 42: World Historic Review for Biometrics-Based 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 2007 through 2013 (includes corresponding Graph/Chart).

Table 43: World 14-Year Perspective for Biometrics-Based Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart).

Table 44: World Recent Past, Current & Future Market Analysis for Biometrics-Based Electronic Access Control Systems by Product Segment - Fingerprint, Face Recognition, Voice Verification; Hand Geometry; and Iris Recognition Markets Independently Analyzed with Annual Sales Figures in US $ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart).

Table 45: World Historic Review for Biometrics-Based Electronic Access Control Systems by Product Segment - Fingerprint, Face Recognition, Voice Verification; Hand Geometry; and Iris Recognition Markets Independently Analyzed with Annual Sales Figures in US $ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart).
Table 46: World 14-Year Perspective for Biometrics-Based Electronic Access Control Systems by Product Segment
Percentage Breakdown of Dollar Sales for Fingerprint, Face Recognition, Voice Verification; Hand Geometry; and Iris Recognition Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 47: World Recent Past, Current & Future Market Analysis for Fingerprint, Face Recognition, Voice Verification Biometrics-Based EACS 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 2014 through 2020 (includes corresponding Graph/Chart)
Table 48: World Historic Review for Fingerprint, Face Recognition, Voice Verification Biometrics-Based EACS 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 2007 through 2013 (includes corresponding Graph/Chart)
Table 49: World 14-Year Perspective for Iris Biometrics-Based EACS by Geographic Region - Percentage Breakdown of Dollar Sales for 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 2007 through 2013 (includes corresponding Graph/Chart)
Table 50: World Recent Past, Current & Future Market Analysis for Iris Biometrics-Based EACS 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 2014 through 2020 (includes corresponding Graph/Chart)
Table 51: World Historic Review for Iris Biometrics-Based EACS 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 2007 through 2013 (includes corresponding Graph/Chart)
Table 52: World 14-Year Perspective for Hand Geometry Biometrics-Based EACS by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 53: World Recent Past, Current & Future Market Analysis for Hand Geometry Biometrics-Based EACS 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 2014 through 2020 (includes corresponding Graph/Chart)
Table 54: World Historic Review for Hand Geometry Biometrics-Based EACS 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 2007 through 2013 (includes corresponding Graph/Chart)
Table 55: World 14-Year Perspective for Fingerprint, Face Recognition, Voice Verification Biometrics-Based EACS by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 56: World Recent Past, Current & Future Market Analysis for Fingerprint, Face Recognition, Voice Verification Biometrics-Based EACS 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 2014 through 2020 (includes corresponding Graph/Chart)
Table 57: World Historic Review for Fingerprint, Face Recognition, Voice Verification Biometrics-Based EACS 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 2007 through 2013 (includes corresponding Graph/Chart)
Table 58: World 14-Year Perspective for Audio (Intercom, Telephone) and Video-Based Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 59: World Recent Past, Current & Future Market Analysis for Audio (Intercom, Telephone) and Video-Based 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 2014 through 2020 (includes corresponding Graph/Chart)
Table 60: World Historic Review for Audio (Intercom, Telephone) and Video-Based 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 2007 through 2013 (includes corresponding Graph/Chart)
Table 61: World 14-Year Perspective for Keypad-Based Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
III. MARKET

1. THE UNITED STATES

A. Market Analysis

Outlook

Market Overview

Table 62: The US Access Control Systems Market by End-Use Segment (2014): 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)

Enhanced Security Post-Sept 11 Attacks

High Crime Rates

Economic Conditions

Building Codes

Strong Growth Projected for EACS in the Non-Residential Segment

Residential Sector Offers Significant Growth Opportunities

Violations in Computer Networks Affect 90% of Corporations and Government Agencies

Expansion of the Smart Label Market Drives the RFID Market

Growing Concerns over Security of Personal Data Drives Adoption in the Banking Sector

Rising Government Spending on Biometric Technologies Benefits Market Expansion

Table 63: The US Biometrics Market by Technology Type (2014): Percentage Share of Government Spending for Face Identification, Fingerprint Recognition, Iris Scan, Signature Recognition, and Others (includes corresponding Graph/Chart)

Select Ongoing & Upcoming Government Biometric Systems Programs in the US

Rise in Crime Boosts the “Need” Factor for Fingerprint Identification Technologies

Law Enforcement Applications Offers Huge Market Potential for Fingerprint Identification

Table 64: Forensic Products & Services Market in the US by Product/Service Segment (2014): Percentage Share of Revenues for Analytical, DNA Testing, Fingerprinting, and Others (includes corresponding Graph/Chart)

Robust Activity in Criminal AFIS Market in North America

Fingerprint Biometrics: Preferred Technology for Blood Centers for Donor IDs

High Profile Crime Events Spurs Demand for EACS in Education Facilities

Smart Cards in the US Universities

Fingerprint Biometrics in School Bus Transportation

Rising Adoption of Card Based EACS & Biometrics at US Airports Drives Market Demand

DHS Tests Implementation of IRIS Biometrics at US Airports

Increasing Popularity of Iris Biometrics in Criminal Profiling Augurs Well for the Market

Healthcare Sector Offers Significant Growth Opportunities for Voice and Iris Biometrics

Hospitals: An Important Growth Area for Iris Biometrics

The United States: A Pioneer in Adoption of Keystroke Dynamics

Product Launches

Strategic Corporate Developments

Select Key Players

B. Market Analytics

Table 65: US Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment

Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 66: US Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 67: US 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

2. CANADA

A. Market Analysis
Outlook
Market Overview
Regulations
Product Launch
Strategic Corporate Developments

B. Market Analytics
Table 68: Canadian Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 69: Canadian Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 70: Canadian 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

3. JAPAN
A. Market Analysis
Outlook
Japanese Access Control Market Gains Traction
Application of Smart Cards for Access Control to Boost Smart Card Market
Biometrics Find Widespread Adoption in the Banking Sector
Facial Recognition at Airports to Boost Prospects
Product Launches
Aiphone Co. Ltd. - A Key Japanese Player

B. Market Analytics
Table 71: Japanese Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 72: Japanese Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 73: Japanese 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

4. EUROPE
A. Market Analysis
Outlook
Market Overview
Positive Eurozone Economic Outlook Enthuses the Market
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 74: European Recent Past, Current & Future Market 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 2014 through 2020 (includes corresponding Graph/Chart)
Table 75: 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 2007 through 2013 (includes corresponding Graph/Chart)

Table 76: European 14-Year Perspective for Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 77: European Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 78: European Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 79: European 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 80: French Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 81: French Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 82: French 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)


Table 84: German Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 85: German Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 86: German 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years
2007, 2015 & 2020 (includes corresponding Graph/Chart)

4c. ITALY

A. Market Analysis

Outlook

Table 87: Leading Players in the Italian Industrial & Commercial Access Control Equipment Market (2014): Percentage Share Breakdown of Revenues for Honeywell International Inc., Kaba Group, Siemens, and Others (includes corresponding Graph/Chart)

Carta d'Identità Elettronica: The Electronic ID Card

Corporate Development

B. Market Analytics

Table 88: Italian Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 89: Italian Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 90: Italian 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

4d. THE UNITED KINGDOM

A. Market Analysis

Outlook

Higher Investments in Non-Residential Sector Drive the EACS Market

Rising Government Spending Benefit Fingerprint Biometrics Market

Table 91: The UK Biometrics Market by Technology Type (2014): Percentage Share Breakdown of Government Spending for Face Recognition, Fingerprint Recognition, and Others (includes corresponding Graph/Chart)

2011 UK Riots Brings the Spotlight on Facial Recognition

IRIS Biometrics Lose Out to Chip-enabled Biometrics at the UK Airports

Increasing Deployment of Smart Cards in the Healthcare Sector Boosts Demand

Product Launches

Strategic Corporate Developments

Select Key Players

B. Market Analytics

Table 92: UK Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment

Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 93: UK Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 94: UK 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

4e. SPAIN

A. Market Analysis

Outlook

Table 95: Leading Players in the Spanish Industrial & Commercial Access Control Equipment Market (2014): Percentage Share Breakdown of Revenues for Fermax Electronica S.A.U, Gunnebo AB, Honeywell International Inc., Siemens Building Technologies, and Others (includes corresponding Graph/Chart)

Corporate Development
Fermax Electronica S.A.E - A Spanish Key Player

B. Market Analytics

Table 96: Spanish Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 97: Spanish Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 98: Spanish 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

4f. RUSSIA

A. Market Analysis

Outlook

Increasing Government Investments Drives Biometrics Market Growth

Table 99: Russian Biometrics Market by Technology Type (2014): Percentage Share Breakdown of Government Spending for Face Recognition, Fingerprint Recognition, Iris Scanning, Signature Recognition, and Others (includes corresponding Graph/Chart)

Russian Airport Implement Face Recognition System

Electronic Security Systems Market: An Overview

Growing Adoption of Smart Card Technologies for Access Control

B. Market Analytics

Table 100: Russian Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 101: Russian Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 102: Russian 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

4g. REST OF EUROPE

A. Market Analysis

Outlook

Eastern Europe Offers Tremendous Growth Prospects for Smart Card Technology

Product Launches

Strategic Corporate Developments

Select Key Players

B. Market Analytics

Table 103: Rest of Europe Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 104: Rest of Europe Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 105: Rest of Europe 14-Year Perspective for Electronic Access Control Systems by Product Segment -
Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC
A. Market Analysis
Outlook
Asia-Pacific: A Potential Laden Market
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
Review of Select Key Markets
China
Fingerprint Identification Systems Dominates Biometrics Deployments
Financial Institutions Spur Voice Verification Growth
Mobile Applications Steer Demand for Voice Biometrics
Use of Smart Cards on an Upswing in the Chinese Market
India
Table 106: Indian Biometrics Market by Technology Type (2014): Percentage Share Breakdown of Shipments for Fingerprint Recognition, IRIS Scanning, and Others (includes corresponding Graph/Chart)
Table 107: Indian Fingerprint Biometrics Market by End-Use Application (2014): Percentage Share 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
One of the Fastest Growing Smartcard Markets
Korea
Product Launches
Strategic Corporate Developments
B. Market Analytics
Table 108: Asia-Pacific Recent Past, Current & Future Market 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 2014 through 2020 (includes corresponding Graph/Chart)
Table 109: 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 2007 through 2013 (includes corresponding Graph/Chart)
Table 110: Asia-Pacific 14-Year Perspective for Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Dollar Sales for China, India, and Rest of Asia-Pacific Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 111: Asia-Pacific Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 112: Asia-Pacific Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 113: Asia-Pacific 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

6. LATIN AMERICA
A. Market Analysis
Outlook
Review of Select Key Markets

Brazil
Argentina

B. Market Analytics

Table 114: Latin American Recent Past, Current & Future Market 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 2014 through 2020 (includes corresponding Graph/Chart)

Table 115: 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 2007 through 2013 (includes corresponding Graph/Chart)

Table 116: Latin American 14-Year Perspective for Electronic Access Control Systems by Geographic Region - Percentage Breakdown of Dollar Sales for Brazil and Rest of Latin America Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 117: Latin American Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 118: Latin American Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 119: Latin American 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

7. REST OF WORLD

A. Market Analysis

Outlook

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

Review of Select Key Markets

Saudi Arabia: A Major Market for Biometrics in the Middle East

Table 120: Saudi Arabian Biometrics Market by Technology Type (2014): Percentage Share Breakdown of Government Spending for Face Recognition, Fingerprint Recognition, and Others (includes corresponding Graph/Chart)

Table 121: Select Saudi Arabian Government Programs Involving Fingerprint Biometrics (includes corresponding Graph/Chart)

The United Arab Emirates

UAE Banks on Iris Recognition for Immigration Control

South Africa

Nigeria

Corporate Development

B. Market Analytics

Table 122: Rest of World Recent Past, Current & Future Market Analysis for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 123: Rest of World Historic Review for Electronic Access Control Systems by Product Segment - Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets Independently Analyzed with Annual Sales Figures in US$ Thousand for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 124: Rest of World 14-Year Perspective for Electronic Access Control Systems by Product Segment - Percentage Breakdown of Dollar Sales for Card-Based EACS (Proximity Cards, Smart Cards, and Legacy Technology-Based Cards); Biometrics-Based EACS (Fingerprint, Face Recognition, & Voice Verification; Hand Geometry; and Iris Recognition); Audio & Video-Based EACS; and Keypad-Based EACS Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 336 (including Divisions/Subsidiaries - 375)

The United States (132)
Canada (10)
Japan (3)
Europe (157)
- France (14)
- Germany (19)
- The United Kingdom (70)
- Italy (11)
- Spain (7)
- Rest of Europe (36)
Asia-Pacific (Excluding Japan) (55)
Latin America (2)
Africa (8)
Middle East (8)

Ordering:
Order Online - http://www.researchandmarkets.com/reports/344059/
Order by Fax - using the form below
Order by Post - print the order form below and send to
Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Electronic Access Control Systems (EACS) - Global Strategic Business Report
Web Address: http://www.researchandmarkets.com/reports/344059/
Office Code: SCBRZ1YZ

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 4950</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6930</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 10 Users:</td>
<td>USD 9405</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 15 Users:</td>
<td>USD 11880</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr □ Mrs □ Dr □ Miss □ Ms □ Prof □
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: _________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World