

Automatic Identification and Data Capture Market with COVID-19 Impact Analysis by Product (Barcodes, Smart Cards, OCR Systems, RFID Products, and Biometric Systems), Offering (Hardware, Software, and Services), Vertical, and Geography - Global Forecast to 2025

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Abstracts

The overall AIDC market is expected to grow from USD 40.1 billion in 2020 to USD 80.3 billion by 2025; it is expected to grow at a CAGR of 14.9% during 2020–2025. Key factors fueling the growth of this market include growing e-commerce industry globally; increasing use of smartphones for QR code scanning and image recognition; rising adoption of AIDC solutions due to their ability to minimize queuing and transaction time and provide greater convenience to users in making small-value payments; and surging adoption of AIDC solutions by banking and financial institutions to ensure customer safety and security, along with data privacy. An increasing number of patients and deaths due to COVID-19 will force all the countries to increase their healthcare expenditure, which is expected to have a positive impact on the growth of the market for AIDC products.

“VR solutions to witness the highest CAGR in AIDC market during the forecast period.”

The market for virtual reality (VR) solutions is expected to grow at the highest CAGR within the global automatic identification and data capture market during the forecast period. VR solutions work on the principle of “vision picking” where order pickers in a warehouse or a retail store can view pick information within their field of vision through smart glasses, rather than looking at their mobile terminal device screen.

“Hospitality vertical to witness the highest CAGR in AIDC market during 2020–2025.”

The market for the hospitality vertical is expected to grow with the highest CAGR during the forecast period. Automatic identification and data capturing products, such as barcoding solutions, RFID systems, OCR systems, and biometric systems, are increasingly being used by many hotels and restaurants to enhance the guest experience, increase operational efficiency, accelerate service delivery speed, as well as for mobile payment and ordering, inventory management, and food safety tracking.

“APAC is expected to hold a largest share of AIDC market by 2025.”

The AIDC market in APAC is expected to grow at the highest CAGR during the forecast period. Many retail and logistics companies are expanding their presence in the region to capitalize on the increased purchasing power of the middle-class people, which has led to the growth of the automatic identification and data capture market in the region. Moreover, the significant presence of several market players, such as Panasonic (Japan), SATO (Japan), Toshiba (Japan), Godex (Taiwan), and Optoelectronics (Japan), in the region is likely to propel the growth of the automatic identification and data capture market in APAC.

Breakdown of profiles of primary participants:

By Company: Tier 1 = 25%, Tier 2 = 40%, and Tier 3 = 35%

By Designation: C-level Executives = 35%, Directors = 25%, Managers = 40%

By Region: North America = 45%, Europe = 20%, APAC = 25%, and RoW = 10%

Major players profiled in this report:

Honeywell (US)

Datalogic S.p.A. (Italy)

Zebra Technologies (US)

SICK AG (Germany)

Cognex Corporation (US)

Toshiba (Japan)

Panasonic Corporation (Japan)

Thales (France)

NXP Semiconductors N.V. (Netherlands)

Research Coverage

This report offers detailed insights into the AIDC market, by product, offerings, vertical, and region. By product, the AIDC market has been segmented into Smart cards, RFID systems, barcoding solutions, biometric systems, magnetic stripe cards, optical character recognition (OCR) systems, voice-directed WMS, heads-up displays, wearables, VR solutions, and Google Glass. By offerings, the market has been divided into hardware, software, and services. By vertical, the AIDC market has been segmented into manufacturing, retail, transportation & logistics, hospitality, banking & finance, healthcare, government, commercial, and energy & power. The study forecasts the size of the market in 4 regions—North America, Europe, APAC, and RoW.

Reasons to buy the report

The report would help market leaders/new entrants in this market in the following ways:

1. This report segments the AIDC market comprehensively and provides the closest approximations of the overall market's size and its subsegments (across different products, offerings, verticals, and regions).
2. The report would help stakeholders understand the pulse of the market and provide them with information about key drivers, restraints, challenges, and opportunities.
3. This report would help stakeholders understand their competitors better and gain more insights to enhance their position in the business. The competitive landscape section includes competitor ecosystem and product launches, mergers and acquisitions, expansions, contracts, partnerships, agreements, and collaborations carried out by major market players.

Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 DEFINITION
 - 1.2.1 INCLUSIONS & EXCLUSIONS
- 1.3 STUDY SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 GEOGRAPHIC SCOPE
 - 1.3.3 YEARS CONSIDERED
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET:
RESEARCH DESIGN

2.1.1 SECONDARY AND PRIMARY RESEARCH

- 2.1.1.1 Key industry insights

2.1.2 SECONDARY DATA

- 2.1.2.1 List of major secondary sources
- 2.1.2.2 Secondary sources

2.1.3 PRIMARY DATA

- 2.1.3.1 Primary interviews with experts
- 2.1.3.2 Breakdown of primaries
- 2.1.3.3 Primary sources

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

- 2.2.1.1 Approach for bottom-up analysis (Demand side)

FIGURE 2 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 4 PRIMARY & SECONDARY SOURCES: DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

FIGURE 5 ASSUMPTIONS FOR RESEARCH STUDY

3 EXECUTIVE SUMMARY

FIGURE 6 GLOBAL AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, 2016–2025 (USD BILLION)

FIGURE 7 MANUFACTURING VERTICAL ACCOUNTED FOR LARGEST SHARE OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN 2019

FIGURE 8 HARDWARE OFFERINGS ACCOUNTED FOR LARGEST MARKET SHARE IN 2019

FIGURE 9 SMART CARDS HELD LARGEST SHARE OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY PRODUCT, IN 2019

FIGURE 10 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY REGION, 2019

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET

FIGURE 11 GROWING E-COMMERCE INDUSTRY GLOBALLY DRIVES GROWTH OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET

4.2 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC, BY COUNTRY AND VERTICAL

FIGURE 12 CHINA AND MANUFACTURING VERTICAL ACCOUNTED FOR LARGEST SHARE OF MARKET IN APAC, BY COUNTRY AND VERTICAL, RESPECTIVELY, IN 2019

4.3 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY PRODUCT

FIGURE 13 SMART CARDS TO ACCOUNT FOR LARGEST MARKET SIZE IN 2025

4.4 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY OFFERING

FIGURE 14 SERVICES EXPECTED TO EXHIBIT HIGHEST CAGR DURING 2020–2025

4.5 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY VERTICAL

FIGURE 15 RETAIL VERTICAL TO CAPTURE LARGEST MARKET SHARE IN 2025

4.6 GLOBAL AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY COUNTRY

FIGURE 16 US ACCOUNTED FOR LARGEST SHARE OF GLOBAL MARKET IN 2019

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 17 IMPACT OF DRIVERS AND OPPORTUNITIES ON GROWTH OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET

FIGURE 18 IMPACT OF CHALLENGES AND RESTRAINTS ON GROWTH OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET

5.2.1 DRIVERS

5.2.1.1 Growing e-commerce industry globally

FIGURE 19 E-COMMERCE SALES PERCENTAGE OF TOTAL RETAIL SALES FROM SECOND QUARTER OF 2019 TO FIRST QUARTER OF 2020

TABLE 1 TOP 10 COUNTRIES IN TERMS OF E-COMMERCE CONTRIBUTION TO GDP IN 2017

5.2.1.2 Increasing use of smartphones for QR code scanning and image recognition

FIGURE 20 GLOBAL MOBILE SUBSCRIPTIONS BETWEEN 2014 AND 2018 (BILLION)

5.2.1.3 Rising adoption of AIDC solutions due to their ability to minimize queuing and transaction time and provide greater convenience to users in making small-value payments

5.2.1.4 Surging adoption of AIDC solutions by banking and financial institutions to ensure customer safety and security, along with data privacy

5.2.2 RESTRAINTS

5.2.2.1 High installation cost of AIDC solutions

5.2.3 OPPORTUNITIES

5.2.3.1 Growing focus of enterprises to implement new and improved supply chain management tools, along with rising requirement for AIDC products from global healthcare centers

5.2.3.2 Imposing governments regulations for adoption of AIDC solutions

5.2.4 CHALLENGES

5.2.4.1 Malware attacks and security breaches

6 INDUSTRY TRENDS

6.1 VALUE CHAIN ANALYSIS

FIGURE 21 VALUE CHAIN ANALYSIS: MAJOR VALUE ADDED DURING MANUFACTURING, ASSEMBLY, AND SYSTEM INTEGRATION PHASE

6.2 AIDC ECOSYSTEM

FIGURE 22 MAP OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET

6.3 KEY USE CASES

6.3.1 MCELROY MANUFACTURING HAS SELECTED GETAC'S ZX70 RUGGED TABLET FOR MEASURING ACCURACY AND EFFICIENCY IN PIPELINE FUSIONS

6.3.2 EUROSTAR HAS INITIATED BIOMETRIC-ENABLED BOARDING FOR UK PASSENGERS

6.3.3 SILK CONTRACT LOGISTICS HAS IMPLEMENTED ZEBRA TECHNOLOGIES' VOICE-DIRECTED WAREHOUSING SOLUTION

6.4 AVERAGE SELLING PRICE

TABLE 2 AVERAGE SELLING PRICE OF SMART CARDS AND MAGNETIC CARDS, 2019

6.5 IMPACT OF COVID-19 ON AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET

7 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY PRODUCT

7.1 INTRODUCTION

FIGURE 23 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR VR SOLUTIONS TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 3 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY PRODUCT, 2016–2019 (USD BILLION)

TABLE 4 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY PRODUCT, 2020–2025 (USD BILLION)

7.2 BARCODING SOLUTIONS

FIGURE 24 APAC TO CONTINUE TO COMMAND AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BARCODING SOLUTIONS DURING FORECAST PERIOD

TABLE 5 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BARCODING SOLUTIONS, BY REGION, 2016–2019 (USD BILLION)

TABLE 6 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BARCODING SOLUTIONS, BY REGION, 2020–2025 (USD BILLION)

TABLE 7 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BARCODING SOLUTIONS, BY TYPE, 2016–2019 (USD BILLION)

TABLE 8 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BARCODING SOLUTIONS, BY TYPE, 2020–2025 (USD BILLION)

7.2.1 BARCODE SCANNERS

7.2.1.1 Barcode scanners help interpret single-dimensional and two-dimensional barcodes or QR codes

7.2.2 BARCODE PRINTERS

7.2.2.1 Barcode printers are used for printing barcode labels or tags that can be applied over packets, cartons, and objects

7.2.3 LASER SCANNERS

TABLE 9 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR

LASER SCANNERS, BY RANGE, 2016–2019 (USD BILLION)

TABLE 10 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR LASER SCANNERS, BY RANGE, 2020–2025 (USD BILLION)

7.2.3.1 Short-range laser scanners

7.2.3.1.1 Short-range laser scanners are known for their high accuracy

7.2.3.2 Long-range laser scanners

7.2.3.2.1 Long-range laser scanners are useful in scanning large structures such as buildings, bridges, tunnels, and marine ships

TABLE 11 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR LONG-RANGE LASER SCANNERS, BY TYPE, 2016–2019 (USD MILLION)

TABLE 12 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR LONG-RANGE LASER SCANNERS, BY TYPE, 2020–2025 (USD MILLION)

7.2.3.2.2 CMM based

7.2.3.2.2.1 CMM-based laser scanners offer high accuracy

7.2.3.2.3 Arm based

7.2.3.2.3.1 Arm-based laser scanners are portable and offer good accuracy for parts ranging from small to medium sizes

7.2.3.2.4 Single point

7.2.3.2.4.1 Single-point laser scanners are used to measure height, thickness, and surface roughness

7.2.3.2.5 Handheld terminal

7.2.3.2.5.1 Handheld terminal long-range laser scanners are used for capturing large objects

7.2.4 RUGGED TABLETS

TABLE 13 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR RUGGED TABLETS, BY TYPE, 2016–2019 (USD BILLION)

TABLE 14 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR RUGGED TABLETS, BY TYPE, 2020–2025 (USD BILLION)

7.2.4.1 HANDHELD

7.2.4.1.1 Handheld rugged tablets are ideal for outdoor applications due to their ability to withstand harsh weather conditions

7.2.4.2 VEHICLE MOUNTED

7.2.4.2.1 Advantages of vehicle-mounted rugged tablets include increased workforce productivity and ease of operation

7.3 SMART CARDS

FIGURE 25 APAC TO RECORD HIGHEST CAGR IN AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SMART CARDS DURING FORECAST PERIOD

TABLE 15 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SMART CARDS, BY REGION, 2016–2019 (USD BILLION)

TABLE 16 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SMART CARDS, BY REGION, 2020–2025 (USD BILLION)

TABLE 17 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SMART CARDS, BY TYPE, 2016–2019 (USD BILLION)

TABLE 18 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SMART CARDS, BY TYPE, 2020–2025 (USD BILLION)

7.3.1 CONTACT-BASED SMART CARDS

7.3.1.1 Single-function smart cards are most cost-effective, while multiple-function smart cards are supported by added memory

7.3.2 CONTACTLESS SMART CARDS

7.3.2.1 Contactless smart cards are increasingly used in retail stores for faster payments

7.4 MAGNETIC STRIPE CARDS

7.4.1 CREDIT CARDS AND DEBIT CARDS ARE KEY EXAMPLES OF MAGNETIC STRIPE CARDS

TABLE 19 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR MAGNETIC CARDS, BY REGION, 2016–2019 (USD BILLION)

TABLE 20 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR MAGNETIC CARDS, BY REGION, 2020–2025 (USD BILLION)

TABLE 21 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SMART CARDS AND MAGNETIC CARDS, 2016–2019 (BILLION UNITS)

TABLE 22 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SMART CARDS AND MAGNETIC CARDS, 2020–2025 (BILLION UNITS)

7.5 OPTICAL CHARACTER RECOGNITION (OCR) SYSTEMS

7.5.1 OPTICAL CHARACTER RECOGNITION (OCR) TECHNOLOGY IS USED FOR VERIFICATION OF DOCUMENTS

TABLE 23 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR OCR SYSTEMS, BY REGION, 2016–2019 (USD BILLION)

TABLE 24 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR OCR SYSTEMS, BY REGION, 2020–2025 (USD BILLION)

7.6 RFID SYSTEMS

FIGURE 26 APAC TO CONTINUE TO LEAD AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR RFID SYSTEMS DURING FORECAST PERIOD

TABLE 25 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR RFID SYSTEMS, BY REGION, 2016–2019 (USD BILLION)

TABLE 26 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR RFID SYSTEMS, BY REGION, 2020–2025 (USD BILLION)

TABLE 27 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR RFID SYSTEMS, BY TYPE, 2016–2019 (USD BILLION)

TABLE 28 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR RFID SYSTEMS, BY TYPE, 2020–2025 (USD BILLION)**7.6.1 RFID SCANNERS**

7.6.1.1 RFID readers do not require to be in line-of-sight with RFID tags and can read up to 300 feet

7.6.2 RFID TAGS

7.6.2.1 RFID tags are used in retail, logistics and supply chain, animal tracking, and access and security applications

7.6.3 RFID PRINTERS

7.6.3.1 RFID printers are used for printing RFID labels, alphanumeric characters, and barcodes

7.7 WEARABLES

7.7.1 INDUSTRIAL WEARABLES ARE DEVELOPED TO IMPROVE WORKPLACE PRODUCTIVITY, SAFETY, AND EFFICIENCY ACROSS INDUSTRIES

TABLE 29 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR WEARABLES, BY REGION, 2016–2019 (USD MILLION)**TABLE 30 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR WEARABLES, BY REGION, 2020–2025 (USD MILLION)****7.8 VR SOLUTIONS****7.8.1 MARKET FOR VR SOLUTIONS TO GROW AT HIGHEST CAGR DURING****2020–2025****TABLE 31 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR VR SOLUTIONS, BY REGION, 2016–2019 (USD MILLION)****TABLE 32 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR VR SOLUTIONS, BY REGION, 2020–2025 (USD MILLION)****7.9 BIOMETRIC SYSTEMS**

FIGURE 27 APAC TO CONTINUE TO DOMINATE AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BIOMETRIC SYSTEMS DURING FORECAST PERIOD

TABLE 33 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BIOMETRIC SYSTEMS, BY REGION, 2016–2019 (USD BILLION)**TABLE 34 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BIOMETRIC SYSTEMS, BY REGION, 2020–2025 (USD BILLION)****TABLE 35 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BIOMETRIC SYSTEMS, BY TYPE, 2016–2019 (USD BILLION)****TABLE 36 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BIOMETRIC SYSTEMS, BY TYPE, 2020–2025 (USD BILLION)**

7.9.1 FACE RECOGNITION SYSTEMS

7.9.1.1 Face recognition technology is being implemented in smartphones for security purpose

7.9.2 IRIS RECOGNITION SYSTEMS

7.9.2.1 Iris recognition technology is well known for its accuracy and unique features

7.9.3 VOICE RECOGNITION SYSTEMS

7.9.3.1 Voice recognition solutions provide remote authentication

7.10 HEADS-UP DISPLAYS

7.10.1 TECHNOLOGICAL ADVANCEMENTS IN DISPLAY TECHNOLOGY HAVE ACCELERATED DEMAND FOR HEADS-UP DISPLAYS

TABLE 37 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR HEADS-UP DISPLAYS, BY REGION, 2016–2019 (USD BILLION)

TABLE 38 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR HEADS-UP DISPLAYS, BY REGION, 2020–2025 (USD BILLION)

7.11 GOOGLE GLASS

7.11.1 GOOGLE GLASS IS IDEAL FOR EMPLOYEES WORKING IN CONSTRUCTION SITES, FACTORY FLOORS, RETAIL & WAREHOUSING STORES, AND MEDICAL SITES

TABLE 39 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR GOOGLE GLASS, BY REGION, 2016–2019 (USD MILLION)

TABLE 40 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR GOOGLE GLASS, BY REGION, 2020–2025 (USD MILLION)

7.12 VOICE-DIRECTED WMS

7.12.1 VOICE-DIRECTED WMS OFFERS ADVANTAGES IN TERMS OF EASE OF USAGE AND REDUCED TRAINING COSTS

TABLE 41 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR VOICE-DIRECTED WMS, BY REGION, 2016–2019 (USD BILLION)

TABLE 42 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR VOICE-DIRECTED WMS, BY REGION, 2020–2025 (USD BILLION)

8 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY OFFERING

8.1 INTRODUCTION

FIGURE 28 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SERVICES TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 43 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY OFFERING, 2016–2019 (USD BILLION)

TABLE 44 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY OFFERING, 2020–2025 (USD BILLION)

8.2 HARDWARE

8.2.1 HARDWARE OFFERINGS TO ACCOUNT FOR LARGEST MARKET SHARE IN 2025

FIGURE 29 APAC TO LEAD AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR HARDWARE OFFERINGS DURING FORECAST PERIOD

TABLE 45 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR HARDWARE, BY REGION, 2016–2019 (USD BILLION)

TABLE 46 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR HARDWARE, BY REGION, 2020–2025 (USD BILLION)

8.3 SOFTWARE

8.3.1 DEPLOYMENT OF SOFTWARE IN AIDC SOLUTIONS ENABLES THEIR USE IN TRACKING, IDENTIFICATION, AND VALIDATION APPLICATIONS

8.3.2 HONEYWELL

8.3.3 ZEBRA TECHNOLOGIES

8.3.4 LUCAS SYSTEMS

8.3.5 VOXWARE

8.3.6 IVANTI

TABLE 47 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SOFTWARE, BY REGION, 2016–2019 (USD BILLION)

TABLE 48 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SOFTWARE, BY REGION, 2020–2025 (USD BILLION)

8.4 SERVICES

8.4.1 MARKET FOR SERVICES TO GROW AT HIGHEST GROWTH RATE DURING FORECAST PERIOD

TABLE 49 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SERVICES, BY REGION, 2016–2019 (USD BILLION)

TABLE 50 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR SERVICES, BY REGION, 2020–2025 (USD BILLION)

9 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY VERTICAL

9.1 INTRODUCTION

FIGURE 30 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR HOSPITALITY VERTICAL TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 51 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 52 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY VERTICAL, 2020–2025 (USD BILLION)

9.2 MANUFACTURING

FIGURE 31 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC FOR MANUFACTURING VERTICAL TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 53 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR MANUFACTURING VERTICAL, BY REGION, 2016–2019 (USD BILLION)

TABLE 54 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR MANUFACTURING VERTICAL, BY REGION, 2020–2025 (USD BILLION)

9.2.1 SMARTPHONE MANUFACTURERS

9.2.1.1 Major smartphone manufacturers are using 2-dimensional barcode scanners for mobile payment solutions

9.2.2 AUTOMOBILE MANUFACTURERS

9.2.2.1 Automobile companies are using several AIDC solutions to streamline their supply chain and automation processes

9.2.3 FOOD & BEVERAGE COMPANIES

9.2.3.1 AIDC solutions help food & beverage companies for tracking food items

9.3 BANKING & FINANCE

9.3.1 BANKING AND FINANCIAL INSTITUTIONS INCREASINGLY RELY ON BIOMETRICS TO AUTHENTICATE THEIR CUSTOMERS WHILE USING SERVICES

TABLE 55 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BANKING & FINANCE VERTICAL, BY REGION, 2016–2019 (USD BILLION)

TABLE 56 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR BANKING & FINANCE VERTICAL, BY REGION, 2020–2025 (USD BILLION)

9.4 HEALTHCARE

9.4.1 AIDC TECHNOLOGIES ARE COST-EFFECTIVE ALTERNATIVES USED TO ACCURATELY IDENTIFY AND TRACK PATIENTS

TABLE 57 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR HEALTHCARE VERTICAL, BY REGION, 2016–2019 (USD BILLION)

TABLE 58 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR HEALTHCARE VERTICAL, BY REGION, 2020–2025 (USD BILLION)

9.5 RETAIL

FIGURE 32 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC FOR RETAIL VERTICAL TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 59 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR RETAIL VERTICAL, BY REGION, 2016–2019 (USD BILLION)

TABLE 60 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR RETAIL VERTICAL, BY REGION, 2020–2025 (USD BILLION)

TABLE 61 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR

RETAIL VERTICAL, BY RETAILER TYPE, 2016–2019 (USD BILLION)

TABLE 62 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR
RETAIL VERTICAL, BY RETAILER TYPE, 2020–2025 (USD BILLION)

9.5.1 WAREHOUSING AND DISTRIBUTION CENTERS

9.5.1.1 Warehousing and distribution centers adopt AIDC solutions owing to their ability to decrease operational costs and human errors

9.5.2 SUPERMARKETS

9.5.2.1 AIDC solutions are being used in supermarkets for efficient tracking of several items

9.5.3 HOME IMPROVEMENT STORES

9.5.3.1 laser scanners, barcode printers, and rugged tablets find applications in home improvement stores

9.5.4 DEPARTMENT STORES

9.5.4.1 Barcode scanners, RFID scanners, and OCR systems are deployed across several department stores to manage customers efficiently

9.5.5 APPAREL-FOOTWEAR-ACCESSORIES

9.5.5.1 Use of AIDC solutions in apparel and footwear stores has been proven to reduce theft and duplication

9.5.6 E-COMMERCE COMPANIES

9.5.6.1 E-commerce companies have witnessed increasing use of AIDC solutions for product identification and order tracking applications

9.6 GOVERNMENT

9.6.1 AIDC PRODUCTS ARE DEPLOYED IN GOVERNMENT SECTOR FOR
EQUIPMENT MANAGEMENT AND INVENTORY MANAGEMENT APPLICATIONS

TABLE 63 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR
GOVERNMENT VERTICAL, BY REGION, 2016–2019 (USD BILLION)

TABLE 64 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR
GOVERNMENT VERTICAL, BY REGION, 2020–2025 (USD BILLION)

9.7 HOSPITALITY

9.7.1 AIDC TECHNOLOGIES ARE UTILIZED IN HOTELS AND RESTAURANTS FOR
MOBILE PAYMENTS AND ORDERING AND INVENTORY MANAGEMENT
APPLICATIONS

TABLE 65 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR
GOVERNMENT VERTICAL, BY HOSPITALITY, 2016–2019 (USD BILLION)

TABLE 66 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR
GOVERNMENT VERTICAL, BY HOSPITALITY, 2020–2025 (USD BILLION)

9.8 TRANSPORTATION & LOGISTICS

FIGURE 33 APAC TO CONTINUE TO DOMINATE AUTOMATIC IDENTIFICATION
AND DATA CAPTURE MARKET FOR TRANSPORTATION & LOGISTICS VERTICAL

DURING FORECAST PERIOD

TABLE 67 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR TRANSPORTATION & LOGISTICS VERTICAL, BY REGION, 2016–2019 (USD BILLION)

TABLE 68 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR TRANSPORTATION & LOGISTICS VERTICAL, BY REGION, 2020–2025 (USD BILLION)

TABLE 69 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR TRANSPORTATION & LOGISTICS VERTICAL, BY APPLICATION, 2016–2019 (USD BILLION)

TABLE 70 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR TRANSPORTATION & LOGISTICS VERTICAL, BY APPLICATION, 2020–2025 (USD BILLION)

9.8.1 PUBLIC TRANSPORT

9.8.1.1 Public transports such as metros, trains, and buses use magnetic stripes and smart cards for their ticketing systems

9.8.2 COURIER AND POSTAL SERVICES

9.8.2.1 AIDC solutions are used in courier and postal services for efficient and effective tracking of parcel items

9.8.3 FREIGHT FORWARDING

9.8.3.1 Freight forwarding companies use several AIDC technologies for effective order tracking and transport

9.8.4 LAST-MILE DELIVERY

9.8.4.1 All supply chain companies adopt AIDC technologies to streamline their processes

9.8.5 SAME-DAY DELIVERY

9.8.5.1 AIDC technologies, by providing more real-time access to warehouse management systems, help logistics companies to ensure same-day delivery

9.8.6 ENTERPRISE FIELD SERVICES

TABLE 71 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR ENTERPRISE FIELD SERVICES, BY TYPE, 2016–2019 (USD MILLION)

TABLE 72 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR ENTERPRISE FIELD SERVICES VERTICAL, BY TYPE, 2020–2025 (USD MILLION)

9.8.6.1 AC repair services

9.8.6.1.1 RFID tags are added to repair instruments, allowing them to be scanned when returned

9.8.6.2 Elevator repair services

9.8.6.2.1 RFID solutions are being used to achieve dynamic supervision by taking advantages of computers and networks

9.9 OTHERS

TABLE 73 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR OTHER VERTICALS, BY REGION, 2016–2019 (USD BILLION)

TABLE 74 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET FOR OTHER VERTICALS, BY REGION, 2020–2025 (USD BILLION)

10 GEOGRAPHIC ANALYSIS

10.1 INTRODUCTION

FIGURE 34 GEOGRAPHIC SNAPSHOT: AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN CHINA TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 35 APAC TO CONTINUE TO LEAD AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET DURING FORECAST PERIOD

TABLE 75 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY REGION, 2016–2019 (USD BILLION)

TABLE 76 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET, BY REGION, 2020–2025 (USD BILLION)

10.2 NORTH AMERICA

FIGURE 36 SNAPSHOT OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN NORTH AMERICA

FIGURE 37 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US TO GROW AT HIGHEST CAGR DURING 2020–2025

TABLE 77 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN NORTH AMERICA, BY COUNTRY, 2016–2019 (USD BILLION)

TABLE 78 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN NORTH AMERICA, BY COUNTRY, 2020–2025 (USD BILLION)

TABLE 79 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN NORTH AMERICA, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 80 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN NORTH AMERICA, BY PRODUCT, 2020–2025 (USD MILLION)

TABLE 81 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN NORTH AMERICA, BY OFFERING, 2016–2019 (USD BILLION)

TABLE 82 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN NORTH AMERICA, BY OFFERING, 2020–2025 (USD BILLION)

FIGURE 38 HOSPITALITY VERTICAL TO EXHIBIT HIGHEST CAGR IN AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN NORTH AMERICA DURING FORECAST PERIOD

TABLE 83 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN

NORTH AMERICA, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 84 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN NORTH AMERICA, BY VERTICAL, 2020–2025 (USD BILLION)

10.2.1 US

10.2.1.1 US held largest share of automatic identification and data capture market in North America in 2019

TABLE 85 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 86 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US, BY PRODUCT, 2020–2025 (USD MILLION)

TABLE 87 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US FOR BARCODING SOLUTIONS BY TYPE, 2016–2019 (USD MILLION)

TABLE 88 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US FOR BARCODING SOLUTIONS, BY TYPE, 2020–2025 (USD MILLION)

FIGURE 39 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US FOR VEHICLE-MOUNTED RUGGED TABLETS TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

TABLE 89 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US FOR RUGGED TABLETS, BY TYPE, 2016–2019 (USD MILLION)

TABLE 90 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US FOR RUGGED TABLETS, BY TYPE, 2020–2025 (USD MILLION)

TABLE 91 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US FOR LASER SCANNERS, BY RANGE, 2016–2019 (USD MILLION)

TABLE 92 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US FOR LASER SCANNERS, BY RANGE, 2020–2025 (USD MILLION)

TABLE 93 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US FOR LONG-RANGE LASER SCANNERS, BY TYPE, 2016–2019 (USD MILLION)

TABLE 94 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US FOR LONG-RANGE LASER SCANNERS, BY TYPE, 2020–2025 (USD MILLION)

TABLE 95 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US, BY OFFERING, 2016–2019 (USD BILLION)

TABLE 96 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US, BY OFFERING, 2020–2025 (USD BILLION)

FIGURE 40 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US FOR HOSPITALITY VERTICAL TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 97 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 98 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN US, BY

VERTICAL, 2020–2025 (USD BILLION)**10.2.2 CANADA**

10.2.2.1 Strengthening manufacturing sector in Canada to foster market growth

TABLE 99 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN CANADA, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 100 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN CANADA, BY PRODUCT, 2020–2025 (USD MILLION)

TABLE 101 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN CANADA, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 102 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN CANADA, BY VERTICAL, 2020–2025 (USD BILLION)

10.2.3 MEXICO

10.2.3.1 Emergence of Mexico as major industrial hub for North American companies fueling demand for AIDC solutions

TABLE 103 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN MEXICO, BY VERTICAL, 2016–2019 (USD MILLION)

TABLE 104 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN MEXICO, BY VERTICAL, 2020–2025 (USD MILLION)

10.3 EUROPE

FIGURE 41 SNAPSHOT OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN EUROPE

FIGURE 42 GERMANY TO CONTINUE TO COMMAND AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN EUROPE DURING FORECAST PERIOD

TABLE 105 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN EUROPE, BY COUNTRY, 2016–2019 (USD BILLION)

TABLE 106 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN EUROPE, BY COUNTRY, 2020–2025 (USD BILLION)

TABLE 107 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN EUROPE, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 108 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN EUROPE, BY PRODUCT, 2020–2025 (USD MILLION)

TABLE 109 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN EUROPE, BY OFFERING, 2016–2019 (USD BILLION)

TABLE 110 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN EUROPE, BY OFFERING, 2020–2025 (USD BILLION)

FIGURE 43 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN EUROPE FOR RETAIL VERTICAL TO HOLD LARGEST MARKET SIZE IN 2025

TABLE 111 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN

EUROPE, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 112 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN EUROPE, BY VERTICAL, 2020–2025 (USD BILLION)

10.3.1 GERMANY

10.3.1.1 Germany to lead automatic identification and data capture market in Europe from 2020 to 2025

TABLE 113 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN GERMANY, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 114 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN GERMANY, BY PRODUCT, 2020–2025 (USD MILLION)

TABLE 115 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN GERMANY, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 116 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN GERMANY, BY VERTICAL, 2020–2025 (USD BILLION)

10.3.2 FRANCE

10.3.2.1 Smart factory initiatives taken by manufacturers to automate supply chain processes would propel market growth in France

TABLE 117 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN FRANCE, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 118 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN FRANCE, BY PRODUCT, 2020–2025 (USD MILLION)

FIGURE 44 RETAIL VERTICAL TO ACCOUNT FOR LARGEST SIZE OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN FRANCE IN 2025

TABLE 119 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN FRANCE, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 120 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN FRANCE, BY VERTICAL, 2020–2025 (USD BILLION)

10.3.3 UK

10.3.3.1 Presence of solid state, liquid, and gas laser manufacturers harnesses growth of automatic identification and data capture market in UK

TABLE 121 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN UK, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 122 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN UK, BY PRODUCT, 2020–2025 (USD MILLION)

TABLE 123 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN UK, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 124 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN UK, BY VERTICAL, 2020–2025 (USD BILLION)

10.3.4 REST OF EUROPE

10.3.4.1 Presence of prominent players accelerates demand for AIDC solutions in RoE

TABLE 125 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROE, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 126 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROE, BY VERTICAL, 2020–2025 (USD BILLION)

10.4 APAC

FIGURE 45 SNAPSHOT OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC

FIGURE 46 CHINA TO CONTINUE TO COMMAND AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC DURING FORECAST PERIOD

TABLE 127 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC, BY COUNTRY, 2016–2019 (USD BILLION)

TABLE 128 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC, BY COUNTRY, 2020–2025 (USD BILLION)

TABLE 129 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 130 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC, BY PRODUCT, 2020–2025 (USD MILLION)

TABLE 131 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC, BY OFFERING, 2016–2019 (USD BILLION)

TABLE 132 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC, BY OFFERING, 2020–2025 (USD BILLION)

FIGURE 47 RETAIL TO ACCOUNT FOR LARGEST SIZE OF AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC IN 2025

TABLE 133 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 134 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN APAC, BY VERTICAL, 2020–2025 (USD BILLION)

10.4.1 CHINA

10.4.1.1 China held largest share of automatic identification and data capture market in APAC in 2019

TABLE 135 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN CHINA, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 136 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN CHINA, BY PRODUCT, 2020–2025 (USD MILLION)

TABLE 137 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN CHINA, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 138 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN

CHINA, BY VERTICAL, 2020–2025 (USD BILLION)**10.4.2 JAPAN**

10.4.2.1 Presence of prominent manufacturing and logistics companies in country drives demand for AIDC solutions

TABLE 139 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN JAPAN, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 140 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN JAPAN, BY PRODUCT, 2020–2025 (USD MILLION)

FIGURE 48 HOSPITALITY VERTICAL TO REGISTER HIGHEST CAGR IN AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN JAPAN DURING FORECAST PERIOD

TABLE 141 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN JAPAN, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 142 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN JAPAN, BY VERTICAL, 2020–2025 (USD BILLION)

10.4.3 TAIWAN

10.4.3.1 Taiwan being hub for several companies that manufacture semiconductor and electronics components witness increasing demand for AIDC solutions

TABLE 143 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN TAIWAN, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 144 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN TAIWAN, BY VERTICAL, 2020–2025 (USD BILLION)

10.4.4 REST OF APAC

10.4.4.1 Growth of market in Rest of APAC is driven by expanding logistics and e-commerce companies

TABLE 145 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN REST OF APAC, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 146 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN REST OF APAC, BY VERTICAL, 2020–2025 (USD BILLION)

10.5 ROW

FIGURE 49 MIDDLE EAST & AFRICA TO WITNESS HIGHEST CAGR IN AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET DURING FORECAST PERIOD

TABLE 147 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROW, BY REGION, 2016–2019 (USD BILLION)

TABLE 148 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROW, BY REGION, 2020–2025 (USD BILLION)

TABLE 149 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROW, BY PRODUCT, 2016–2019 (USD MILLION)

TABLE 150 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROW,

BY PRODUCT, 2020–2025 (USD MILLION)

TABLE 151 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROW,
BY OFFERING, 2016–2019 (USD BILLION)

TABLE 152 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROW,
BY OFFERING, 2020–2025 (USD BILLION)

FIGURE 50 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROW
FOR HOSPITALITY VERTICAL TO GROW AT HIGHEST CAGR DURING FORECAST
PERIOD

TABLE 153 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROW,
BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 154 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN ROW,
BY VERTICAL, 2020–2025 (USD BILLION)

10.5.1 MIDDLE EAST & AFRICA

10.5.1.1 MEA held larger share of automatic identification and data capture market in
RoW

TABLE 155 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN MEA,
BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 156 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN MEA,
BY VERTICAL, 2020–2025 (USD BILLION)

10.5.2 SOUTH AMERICA

10.5.2.1 Rising number of manufacturing companies to contribute to growth of
automatic identification and data capture market in South America

TABLE 157 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN
SOUTH AMERICA, BY VERTICAL, 2016–2019 (USD BILLION)

TABLE 158 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET IN
SOUTH AMERICA, BY VERTICAL, 2020–2025 (USD BILLION)

11 COMPETITIVE LANDSCAPE

11.1 INTRODUCTION

FIGURE 51 MAJOR PLAYERS IN AUTOMATIC IDENTIFICATION AND DATA
CAPTURE MARKET ADOPTED PRODUCT LAUNCHES AS KEY GROWTH
STRATEGY FROM 2017 TO 2019

11.2 RANKING ANALYSIS OF PLAYERS IN AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET

FIGURE 52 TOP 5 COMPANIES IN AUTOMATIC IDENTIFICATION AND DATA
CAPTURE MARKET

11.3 COMPETITIVE LEADERSHIP MAPPING

FIGURE 53 AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET

(GLOBAL) COMPETITIVE LEADERSHIP MAPPING, 2019

11.3.1 VISIONARY LEADERS

11.3.2 DYNAMIC DIFFERENTIATORS

11.3.3 INNOVATORS

11.3.4 EMERGING COMPANIES

11.4 COMPETITIVE BENCHMARKING

11.4.1 STRENGTH OF PRODUCT PORTFOLIO (25 COMPANIES)

FIGURE 54 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET

11.4.2 BUSINESS STRATEGY EXCELLENCE (25) COMPANIES

FIGURE 55 BUSINESS STRATEGY EXCELLENCE OF TOP PLAYERS IN AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET

11.5 COMPETITIVE SCENARIO

FIGURE 56 MARKET EVOLUTION FRAMEWORK: PRODUCT LAUNCHES, FOLLOWED BY CONTRACTS/PARTNERSHIPS/AGREEMENTS/COLLABORATIONS, FUELLED AUTOMATIC IDENTIFICATION AND DATA CAPTURE MARKET GROWTH (2017–2019)

11.5.1 EXPANSIONS

TABLE 159 EXPANSIONS, 2017–2019

11.5.2 PRODUCT LAUNCHES

TABLE 160 PRODUCT LAUNCHES, 2017–2019

11.5.3 MERGERS AND ACQUISITIONS

TABLE 161 MERGERS AND ACQUISITIONS, 2017–2019

11.5.4 CONTRACTS, PARTNERSHIPS, AGREEMENTS, AND COLLABORATIONS

TABLE 162 CONTRACTS, PARTNERSHIPS, AGREEMENTS, AND COLLABORATIONS, 2017–2019

12 COMPANY PROFILES

(Overview, Products/solutions/services offered, Strength of Product Portfolio, Business Strategy Excellence, Recent Developments, Key relationships)*

12.1 KEY PLAYERS

12.1.1 HONEYWELL

FIGURE 57 HONEYWELL: COMPANY SNAPSHOT

12.1.2 DATALOGIC

FIGURE 58 DATALOGIC: COMPANY SNAPSHOT

12.1.3 ZEBRA TECHNOLOGIES

FIGURE 59 ZEBRA TECHNOLOGIES: COMPANY SNAPSHOT

12.1.4 SICK AG

FIGURE 60 SICK AG: COMPANY SNAPSHOT

12.1.5 COGNEX

FIGURE 61 COGNEX: COMPANY SNAPSHOT

12.1.6 TOSHIBA

FIGURE 62 TOSHIBA: COMPANY SNAPSHOT

12.1.7 GETAC

FIGURE 63 GETAC: COMPANY SNAPSHOT

12.1.8 DELL

FIGURE 64 DELL: COMPANY SNAPSHOT

12.1.9 SAMSUNG

FIGURE 65 SAMSUNG: COMPANY SNAPSHOT

12.1.10 PANASONIC

FIGURE 66 PANASONIC: COMPANY SNAPSHOT

12.2 RIGHT TO WIN

12.2.1 HONEYWELL

12.2.2 DATALOGIC

12.2.3 ZEBRA TECHNOLOGIES

12.2.4 SICK AG

12.2.5 COGNEX

12.3 OTHER COMPANIES

12.3.1 AVERY DENNISON

12.3.2 EPSON

12.3.3 NCR

12.3.4 CASIO

12.3.5 DENSO WAVE

12.3.6 M3 MOBILE

12.3.7 SATO

12.3.8 SYNAPTICS

12.3.9 NXP

12.3.10 NEC

*Details on Overview, Products/solutions/services offered, Strength of Service Portfolio, Business Strategy Excellence, Recent Developments, Key relationships might not be captured in case of unlisted companies.

13 APPENDIX

13.1 INSIGHTS OF INDUSTRY EXPERTS

13.2 DISCUSSION GUIDE

13.3 KNOWLEDGE STORE: MARKETSSANDMARKETS' SUBSCRIPTION PORTAL

13.4 AVAILABLE CUSTOMIZATIONS

13.5 RELATED REPORTS

13.6 AUTHOR DETAILS

About

According to the new market research report "Automatic Identification and Data Capture Market by Product (Barcodes, Magnetic Stripe Cards, Smart Cards, OCR Systems, RFID Products, and Biometric Systems), Offering (Hardware, Software, and Services), Vertical, and Geography - Global Forecast to 2023", the automatic identification and data capture market is expected to grow from USD 40.31 Billion in 2018 to USD 72.00 Billion by 2023, at a CAGR of 12.30% between 2018 and 2023. The growth of the automatic identification and data capture market is propelled by the growing e-commerce industry, increasing use of smartphones for QR code scanning and image recognition, and rising adoption of automatic identification and data capture solutions by financial institutions. Factors such as rising government regulations and growth opportunities from supply chain management and healthcare industries are expected to support the growth of the automatic identification and data capture market.

Major players in the automatic identification and data capture market are

Datalogic (Italy)

Honeywell (US)

Zebra Technologies (US)

SICK AG (Germany)

Cognex (US)

Toshiba (Japan)

NEC (Japan)

NXP (Netherlands)

Synaptics (US)

SATO (Japan)

Hardware is expected to hold the largest share of the automatic identification and data capture market between 2018 and 2023.

Among all offerings, hardware held the largest share of the automatic identification and data capture market in 2017. The high requirement for hardware components in several automatic identification and data capture products such as barcodes, magnetic stripe cards, smart cards, optical character recognition (OCR) systems, RFID tags, printers and readers, and biometric systems has contributed to the leading position of the hardware segment in terms of market size.

Manufacturing is expected to hold the largest share of the automatic identification and data capture market between 2018 and 2023.

Among all verticals, manufacturing held the largest share of the automatic identification and data capture market in 2017. The leading position of the manufacturing vertical, in terms of market size, can be attributed to benefits offered by automatic identification and data capture solutions such as enhanced efficiency and reduced operational costs, which enables the sector to effectively handle the increasing number of goods flowing through the supply chain process.

Market for biometric systems is expected to register the highest CAGR during the forecast period.

Among all product categories of automatic identification and data capture solutions, the market for biometric systems is expected to grow at the highest CAGR between 2018 and 2023. The ability to automatically identify a person based on physiological characteristics is the major factor driving the growth of the market for biometric systems.

APAC is expected to hold the largest share of the automatic identification and data capture market between 2018 and 2023.

Among all regions, APAC held the largest share of the automatic identification and data capture market in 2017. The leading position of APAC can be attributed to the rapid expansion of retail and logistics companies supported by the presence of several automatic identification and data capture players in the region.

I would like to order

Product name: Automatic Identification and Data Capture Market with COVID-19 Impact Analysis by Product (Barcodes, Smart Cards, OCR Systems, RFID Products, and Biometric Systems), Offering (Hardware, Software, and Services), Vertical, and Geography - Global Forecast to 2025

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