

Keystroke Dynamics Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global keystroke dynamics market size reached US\$ 390.6 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,413.1 Million by 2028, exhibiting a growth rate (CAGR) of 23.90% during 2022-2028.

Keystroke dynamics is a behavioral biometric used for the authorization and authentication of the typing activities on the keyboard. It analyzes the rhythm pattern, variations in speed and common errors of the individual while typing. It utilizes static and dynamic technology for verification. The static technology analyzes the keystroke patterns only at specific times, such as during login, whereas the dynamic technology offers continuous verification throughout the duration of interaction with the device. The measurements are further used for analyzing the dwell and flight time of the user. Keystroke dynamics are also widely used with mouse movement trackers for multifactor authentication, surveillance and monitoring the access of confidential and sensitive documents through acceleration time and click frequency.

Keystroke Dynamics Market Trends:

The rising incidence of cybercrimes and fraudulent digital transactions across the globe is one of the key factors driving the growth of the market. Various industries, such as banking, financial services and insurance, retail, healthcare, education and defense, are widely adopting keystroke dynamics for multimodal biometrics and safeguarding critical information. Additionally, various technological advancements, such as the integrations of security systems with the Internet of Things (IoT), machine learning (ML) and cloudcomputing solutions, are acting as other growth-inducing factors. Keystroke dynamics are combined with pattern authentication systems to provide a user-friendly experience and enhanced security to the organization. In line with this, cloud computing integrated



keystroke dynamic solutions are also extensively used for remote and automatic user authentication and enhanced performance and interoperability. Other factors, including the widespread adoption of smartphones and other smart devices, along with significant improvements in the information technology (IT) infrastructure, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global keystroke dynamics market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component, authentication type, deployment model, application, organization size and end user.

Breakup by Component:

Software Service

Breakup by Authentication Type:

Static Authentication Continuous Authentication

Breakup by Deployment Model:

On-premises Cloud-based

Breakup by Application:

Identity Proofing Continuous Authentication Risk and Compliance Management Fraud Detection and Prevention

Breakup by Organization Size:

Large Enterprises Small and Medium Enterprises



Breakup by End User:

BFSI Retail and E-Commerce Healthcare Government and Defense Education Others

Breakup by Region:

North America

United States Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape: The competitive landscape of the industry has also been examined along with the



profiles of the key players being AuthenWare Corporation, BehavioSec Inc., Daon Inc., Deepnet Security, Delfigo Security, ID Control BV, Intensity Analytics Corporation, KeyTrak Inc, Serban Biometrics and TypingDNA.

Key Questions Answered in This Report:

How has the global keystroke dynamics market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global keystroke dynamics market? What are the key regional markets?

What is the breakup of the market based on the component?

What is the breakup of the market based on the authentication type?

What is the breakup of the market based on the deployment model?

What is the breakup of the market based on the application?

What is the breakup of the market based on the organization size?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global keystroke dynamics market and who are the key players?

What is the degree of competition in the industry?



Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
- 2.3.1 Primary Sources
- 2.3.2 Secondary Sources
- 2.4 Market Estimation
- 2.4.1 Bottom-Up Approach
- 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL KEYSTROKE DYNAMICS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY COMPONENT

- 6.1 Software
- 6.1.1 Market Trends
- 6.1.2 Market Forecast
- 6.2 Service
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast



7 MARKET BREAKUP BY AUTHENTICATION TYPE

- 7.1 Static Authentication
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Continuous Authentication
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast

8 MARKET BREAKUP BY DEPLOYMENT MODEL

- 8.1 On-premises
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Cloud-based
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast

9 MARKET BREAKUP BY APPLICATION

- 9.1 Identity Proofing
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Continuous Authentication
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Risk and Compliance Management
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast
- 9.4 Fraud Detection and Prevention
 - 9.4.1 Market Trends
- 9.4.2 Market Forecast

10 MARKET BREAKUP BY ORGANIZATION SIZE

10.1 Large Enterprises

- 10.1.1 Market Trends
- 10.1.2 Market Forecast
- 10.2 Small and Medium Enterprises



- 10.2.1 Market Trends
- 10.2.2 Market Forecast

11 MARKET BREAKUP BY END USER

11.1 BFSI

- 11.1.1 Market Trends
- 11.1.2 Market Forecast
- 11.2 Retail and E-Commerce
- 11.2.1 Market Trends
- 11.2.2 Market Forecast
- 11.3 Healthcare
- 11.3.1 Market Trends
- 11.3.2 Market Forecast
- 11.4 Government and Defense
- 11.4.1 Market Trends
- 11.4.2 Market Forecast
- 11.5 Education
 - 11.5.1 Market Trends
 - 11.5.2 Market Forecast
- 11.6 Others
 - 11.6.1 Market Trends
 - 11.6.2 Market Forecast

12 MARKET BREAKUP BY REGION

12.1 North America 12.1.1 United States 12.1.1 Market Trends 12.1.2 Market Forecast 12.1.2 Canada 12.1.2 Canada 12.1.2 Market Trends 12.1.2.2 Market Forecast 12.2 Asia-Pacific 12.2.1 China 12.2.1.1 Market Trends 12.2.2.1 Market Forecast 12.2.2 Japan 12.2.2.1 Market Trends



12.2.2.2 Market Forecast 12.2.3 India 12.2.3.1 Market Trends 12.2.3.2 Market Forecast 12.2.4 South Korea 12.2.4.1 Market Trends 12.2.4.2 Market Forecast 12.2.5 Australia 12.2.5.1 Market Trends 12.2.5.2 Market Forecast 12.2.6 Indonesia 12.2.6.1 Market Trends 12.2.6.2 Market Forecast 12.2.7 Others 12.2.7.1 Market Trends 12.2.7.2 Market Forecast 12.3 Europe 12.3.1 Germany 12.3.1.1 Market Trends 12.3.1.2 Market Forecast 12.3.2 France 12.3.2.1 Market Trends 12.3.2.2 Market Forecast 12.3.3 United Kingdom 12.3.3.1 Market Trends 12.3.3.2 Market Forecast 12.3.4 Italy 12.3.4.1 Market Trends 12.3.4.2 Market Forecast 12.3.5 Spain 12.3.5.1 Market Trends 12.3.5.2 Market Forecast 12.3.6 Russia 12.3.6.1 Market Trends 12.3.6.2 Market Forecast 12.3.7 Others 12.3.7.1 Market Trends 12.3.7.2 Market Forecast 12.4 Latin America



12.4.1 Brazil 12.4.1.1 Market Trends 12.4.1.2 Market Forecast 12.4.2 Mexico 12.4.2.1 Market Trends 12.4.2.2 Market Forecast 12.4.3 Others 12.4.3 Others 12.4.3.1 Market Trends 12.4.3.2 Market Forecast 12.5 Middle East and Africa 12.5.1 Market Trends 12.5.2 Market Breakup by Country 12.5.3 Market Forecast

13 SWOT ANALYSIS

- 13.1 Overview
- 13.2 Strengths
- 13.3 Weaknesses
- 13.4 Opportunities
- 13.5 Threats

14 VALUE CHAIN ANALYSIS

15 PORTERS FIVE FORCES ANALYSIS

- 15.1 Overview
- 15.2 Bargaining Power of Buyers
- 15.3 Bargaining Power of Suppliers
- 15.4 Degree of Competition
- 15.5 Threat of New Entrants
- 15.6 Threat of Substitutes

16 PRICE ANALYSIS

17 COMPETITIVE LANDSCAPE

17.1 Market Structure 17.2 Key Players



17.3 Profiles of Key Players

- 17.3.1 AuthenWare Corporation
- 17.3.1.1 Company Overview
- 17.3.1.2 Product Portfolio
- 17.3.2 BehavioSec Inc.
- 17.3.2.1 Company Overview
- 17.3.2.2 Product Portfolio
- 17.3.3 Daon Inc.
- 17.3.3.1 Company Overview
- 17.3.3.2 Product Portfolio
- 17.3.4 Deepnet Security
- 17.3.4.1 Company Overview
- 17.3.4.2 Product Portfolio
- 17.3.5 Delfigo Security
- 17.3.5.1 Company Overview
- 17.3.5.2 Product Portfolio
- 17.3.6 ID Control BV
- 17.3.6.1 Company Overview
- 17.3.6.2 Product Portfolio
- 17.3.7 Intensity Analytics Corporation
- 17.3.7.1 Company Overview
- 17.3.7.2 Product Portfolio
- 17.3.8 KeyTrak Inc
- 17.3.8.1 Company Overview
- 17.3.8.2 Product Portfolio
- 17.3.9 Serban Biometrics
- 17.3.9.1 Company Overview
- 17.3.9.2 Product Portfolio
- 17.3.10 TypingDNA
- 17.3.10.1 Company Overview
- 17.3.10.2 Product Portfolio



List Of Tables

LIST OF TABLES

Table 1: Global: Keystroke Dynamics Market: Key Industry Highlights, 2022 and 2028 Table 2: Global: Keystroke Dynamics Market Forecast: Breakup by Component (in Million US\$), 2023-2028 Table 3: Global: Keystroke Dynamics Market Forecast: Breakup by Authentication Type (in Million US\$), 2023-2028 Table 4: Global: Keystroke Dynamics Market Forecast: Breakup by Deployment Model (in Million US\$), 2023-2028 Table 5: Global: Keystroke Dynamics Market Forecast: Breakup by Application (in Million US\$), 2023-2028 Table 6: Global: Keystroke Dynamics Market Forecast: Breakup by Organization Size (in Million US\$), 2023-2028 Table 7: Global: Keystroke Dynamics Market Forecast: Breakup by End User (in Million US\$), 2023-2028 Table 8: Global: Keystroke Dynamics Market Forecast: Breakup by Region (in Million US\$), 2023-2028 Table 9: Global: Keystroke Dynamics Market: Competitive Structure

Table 10: Global: Keystroke Dynamics Market: Key Players



List Of Figures

LIST OF FIGURES

Figure 1: Global: Keystroke Dynamics Market: Major Drivers and Challenges Figure 2: Global: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017-2022 Figure 3: Global: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 4: Global: Keystroke Dynamics Market: Breakup by Component (in %), 2022 Figure 5: Global: Keystroke Dynamics Market: Breakup by Authentication Type (in %), 2022 Figure 6: Global: Keystroke Dynamics Market: Breakup by Deployment Model (in %), 2022 Figure 7: Global: Keystroke Dynamics Market: Breakup by Application (in %), 2022 Figure 8: Global: Keystroke Dynamics Market: Breakup by Organization Size (in %), 2022 Figure 9: Global: Keystroke Dynamics Market: Breakup by End User (in %), 2022 Figure 10: Global: Keystroke Dynamics Market: Breakup by Region (in %), 2022 Figure 11: Global: Keystroke Dynamics (Software) Market: Sales Value (in Million US\$), 2017 & 2022 Figure 12: Global: Keystroke Dynamics (Software) Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 13: Global: Keystroke Dynamics (Service) Market: Sales Value (in Million US\$), 2017 & 2022 Figure 14: Global: Keystroke Dynamics (Service) Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 15: Global: Keystroke Dynamics (Static Authentication) Market: Sales Value (in Million US\$), 2017 & 2022 Figure 16: Global: Keystroke Dynamics (Static Authentication) Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 17: Global: Keystroke Dynamics (Continuous Authentication) Market: Sales Value (in Million US\$), 2017 & 2022 Figure 18: Global: Keystroke Dynamics (Continuous Authentication) Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 19: Global: Keystroke Dynamics (On-premises) Market: Sales Value (in Million US\$), 2017 & 2022 Figure 20: Global: Keystroke Dynamics (On-premises) Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 21: Global: Keystroke Dynamics (Cloud-based) Market: Sales Value (in Million



US\$), 2017 & 2022

Figure 22: Global: Keystroke Dynamics (Cloud-based) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Keystroke Dynamics (Identity Proofing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Keystroke Dynamics (Identity Proofing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Keystroke Dynamics (Continuous Authentication) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Keystroke Dynamics (Continuous Authentication) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Keystroke Dynamics (Risk and Compliance Management) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Keystroke Dynamics (Risk and Compliance Management) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Keystroke Dynamics (Fraud Detection and Prevention) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Keystroke Dynamics (Fraud Detection and Prevention) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Keystroke Dynamics (Large Enterprises) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Keystroke Dynamics (Large Enterprises) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Keystroke Dynamics (Small and Medium Enterprises) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Keystroke Dynamics (Small and Medium Enterprises) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Global: Keystroke Dynamics (BFSI) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Global: Keystroke Dynamics (BFSI) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Global: Keystroke Dynamics (Retail and E-Commerce) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Global: Keystroke Dynamics (Retail and E-Commerce) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Global: Keystroke Dynamics (Healthcare) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Global: Keystroke Dynamics (Healthcare) Market Forecast: Sales Value (in Million US\$), 2023-2028



Figure 41: Global: Keystroke Dynamics (Government and Defense) Market: Sales Value (in Million US\$), 2017 & 2022 Figure 42: Global: Keystroke Dynamics (Government and Defense) Market Forecast:

Sales Value (in Million US\$), 2023-2028

Figure 43: Global: Keystroke Dynamics (Education) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Global: Keystroke Dynamics (Education) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Global: Keystroke Dynamics (Other End Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Global: Keystroke Dynamics (Other End Users) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: North America: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: North America: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: United States: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: United States: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Canada: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Canada: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Asia-Pacific: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Asia-Pacific: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: China: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: China: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Japan: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Japan: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: India: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: India: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$),



2023-2028

Figure 61: South Korea: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 62: South Korea: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 63: Australia: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 64: Australia: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 65: Indonesia: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 66: Indonesia: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 67: Others: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 68: Others: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 69: Europe: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 70: Europe: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 71: Germany: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 72: Germany: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 73: France: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 74: France: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 75: United Kingdom: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 76: United Kingdom: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 77: Italy: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 78: Italy: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 79: Spain: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 80: Spain: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$),



2023-2028

Figure 81: Russia: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 82: Russia: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 83: Others: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 84: Others: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 85: Latin America: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 86: Latin America: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 87: Brazil: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 88: Brazil: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 89: Mexico: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 90: Mexico: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 91: Others: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 92: Others: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 93: Middle East and Africa: Keystroke Dynamics Market: Sales Value (in Million US\$), 2017 & 2022 Figure 94: Middle East and Africa: Keystroke Dynamics Market: Breakup by Country (in %), 2022 Figure 95: Middle East and Africa: Keystroke Dynamics Market Forecast: Sales Value (in Million US\$), 2023-2028 Figure 96: Global: Keystroke Dynamics Industry: SWOT Analysis Figure 97: Global: Keystroke Dynamics Industry: Value Chain Analysis Figure 98: Global: Keystroke Dynamics Industry: Porter's Five Forces Analysis



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