

Global Automotive Smart Key Market Size study & Forecast, by Application (Single function, Multi-function) By Technology (Remote keyless entry, Passive keyless entry) By Installation (OEM, Aftermarket) and Regional Analysis, 2023-2030

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Abstracts

Global Automotive Smart Key Market is valued approximately at USD 12 billion in 2022 and is anticipated to grow with a growth rate of more than 8% over the forecast period 2023-2030. Automotive Smart Key is an advanced electronic key designed to provide keyless access and ignition control for a vehicle. Unlike traditional mechanical keys, smart keys use a combination of radio frequency identification (RFID) and/or Bluetooth technology to communicate with the vehicle's onboard computer. The Automotive Smart Key market is expanding because of factors such as rising number of autonomous vehicles and growing demand for automotive safety system. As a result, the demand of Automotive Smart Key has progressively increased in the international market during the forecast period 2023-2030.

Autonomous vehicles often rely on sophisticated electronic systems and sensors. This increased reliance on technology necessitates robust security measures. These automotive smart keys are equipped with encryption and other security features, can provide an additional layer of protection against unauthorized access and potential cyber threats. According to the Statista, in 2022, the global market for autonomous vehicles accounts 17,000 units and the market is expected to grow up to approximately 127,000 units by the year 2030. Another important factor drives the Automotive Smart Key market is increasing demand for automotive safety system. Automotive smart keys often come with advanced security features, such as encryption and authentication protocols. As the demand for improved vehicle security increases, smart keys become more attractive to consumers and manufacturers as they provide a higher level of

protection against theft and unauthorized access compared to traditional keys. In addition, as per Statista, the global automobile safety system market was worth USD 93.28 billion in 2021, and projected to grow up to USD 127.2 billion by the year 2027. Moreover, technological advancement of vehicle security systems and rising inclination towards enhanced vehicle security is anticipated to create a lucrative growth opportunity for the market over the forecast period. However, complexity in operating smart keys and high cost of automotive smart keys is going to impede overall market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Automotive Smart Key Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the presence of prominent luxury car manufacturers including General Motors and rising penetration rate of connected cars in the region. Connected cars are equipped with advanced communication technologies, allowing them to interact with other devices and networks. Automotive smart keys can be seamlessly integrated into these connected car systems, providing a holistic and unified user experience. The region's dominant performance is anticipated to propel the overall demand of Automotive Smart Key. Furthermore, Asia Pacific region is expected to grow with fastest CAGR during the forecast period, owing to factors such as rising demand of commercial vehicles in the region. Commercial vehicles are often part of larger fleets used for transportation, logistics, or delivery services. Smart key systems offer features like remote monitoring, tracking, and keyless access, which enhance fleet management efficiency. This can include real-time location tracking, vehicle status monitoring, and the ability to manage access to the vehicles within a fleet.

Major market player included in this report are:

Alpha Corporation

Continental AG

Denso Corporation

HELLA GmbH & Co. KGaA

Huf Hulsbeck & Furst GmbH & Co. KG,

Hyundai Mobis Ltd.

Minda Corp. Ltd.

Robert Bosch GmbH

Toyota Motor Corporation

Visteon Corporation

Recent Developments in the Market:

In April 2023, Car Keys Express has announced the imminent release of the Universal Smart Key. The new technology in smart keys has transformed traditional keys with metal blades, these keys use advanced wireless proximity technology, allowing drivers to leave their key fobs pocketed while unlocking, locking, and starting their automobiles.

Global Automotive Smart Key Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Application, Technology, Installation, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application

Single function

Multi-function

By Technology

Remote keyless entry

Passive keyless entry

By Installation

OEM

Aftermarket

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Automotive Smart Key Market, by region, 2020-2030 (USD Billion)
 - 1.2.2. Automotive Smart Key Market, by Application, 2020-2030 (USD Billion)
 - 1.2.3. Automotive Smart Key Market, by Technology, 2020-2030 (USD Billion)
 - 1.2.4. Automotive Smart Key Market, by Installation, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL AUTOMOTIVE SMART KEY MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL AUTOMOTIVE SMART KEY MARKET DYNAMICS

- 3.1. Automotive Smart Key Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rising number of autonomous vehicles
 - 3.1.1.2. Growing demand for automotive safety system
 - 3.1.2. Market Challenges
 - 3.1.2.1. Complexity in operating smart keys
 - 3.1.2.2. High cost of automotive smart keys
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Technological advancement of vehicle security systems
 - 3.1.3.2. Rising inclination towards enhance vehicle security

CHAPTER 4. GLOBAL AUTOMOTIVE SMART KEY MARKET: INDUSTRY ANALYSIS

Global Automotive Smart Key Market Size study & Forecast, by Application (Single function, Multi-function) By...

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economic
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL AUTOMOTIVE SMART KEY MARKET, BY APPLICATION

- 5.1. Market Snapshot
- 5.2. Global Automotive Smart Key Market by Application, Performance - Potential Analysis
- 5.3. Global Automotive Smart Key Market Estimates & Forecasts by Application 2020-2030 (USD Billion)
- 5.4. Automotive Smart Key Market, Sub Segment Analysis
 - 5.4.1. Single function
 - 5.4.2. Multi-function

CHAPTER 6. GLOBAL AUTOMOTIVE SMART KEY MARKET, BY TECHNOLOGY

- 6.1. Market Snapshot
- 6.2. Global Automotive Smart Key Market by Technology, Performance - Potential Analysis
- 6.3. Global Automotive Smart Key Market Estimates & Forecasts by Technology

2020-2030 (USD Billion)

6.4. Automotive Smart Key Market, Sub Segment Analysis

6.4.1. Remote keyless entry

6.4.2. Passive keyless entry

CHAPTER 7. GLOBAL AUTOMOTIVE SMART KEY MARKET, BY INSTALLATION

7.1. Market Snapshot

7.2. Global Automotive Smart Key Market by Installation, Performance - Potential Analysis

7.3. Global Automotive Smart Key Market Estimates & Forecasts by Installation 2020-2030 (USD Billion)

7.4. Automotive Smart Key Market, Sub Segment Analysis

7.4.1. OEM

7.4.2. Aftermarket

CHAPTER 8. GLOBAL AUTOMOTIVE SMART KEY MARKET, REGIONAL ANALYSIS

8.1. Top Leading Countries

8.2. Top Emerging Countries

8.3. Automotive Smart Key Market, Regional Market Snapshot

8.4. North America Automotive Smart Key Market

8.4.1. U.S. Automotive Smart Key Market

8.4.1.1. Application breakdown estimates & forecasts, 2020-2030

8.4.1.2. Technology breakdown estimates & forecasts, 2020-2030

8.4.1.3. Installation breakdown estimates & forecasts, 2020-2030

8.4.2. Canada Automotive Smart Key Market

8.5. Europe Automotive Smart Key Market Snapshot

8.5.1. U.K. Automotive Smart Key Market

8.5.2. Germany Automotive Smart Key Market

8.5.3. France Automotive Smart Key Market

8.5.4. Spain Automotive Smart Key Market

8.5.5. Italy Automotive Smart Key Market

8.5.6. Rest of Europe Automotive Smart Key Market

8.6. Asia-Pacific Automotive Smart Key Market Snapshot

8.6.1. China Automotive Smart Key Market

8.6.2. India Automotive Smart Key Market

8.6.3. Japan Automotive Smart Key Market

- 8.6.4. Australia Automotive Smart Key Market
- 8.6.5. South Korea Automotive Smart Key Market
- 8.6.6. Rest of Asia Pacific Automotive Smart Key Market
- 8.7. Latin America Automotive Smart Key Market Snapshot
 - 8.7.1. Brazil Automotive Smart Key Market
 - 8.7.2. Mexico Automotive Smart Key Market
- 8.8. Middle East & Africa Automotive Smart Key Market
 - 8.8.1. Saudi Arabia Automotive Smart Key Market
 - 8.8.2. South Africa Automotive Smart Key Market
 - 8.8.3. Rest of Middle East & Africa Automotive Smart Key Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Alpha Corporation
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Recent Developments
 - 9.3.2. Continental AG
 - 9.3.3. Denso Corporation
 - 9.3.4. HELLA GmbH & Co. KGaA
 - 9.3.5. Huf Hulsbeck & Furst GmbH & Co. KG,
 - 9.3.6. Hyundai Mobis Ltd.
 - 9.3.7. Minda Corp. Ltd.
 - 9.3.8. Robert Bosch GmbH
 - 9.3.9. Toyota Motor Corporation
 - 9.3.10. Visteon Corporation

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining

- 10.1.2. Analysis
- 10.1.3. Market Estimation
- 10.1.4. Validation
- 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Automotive Smart Key Market, report scope

TABLE 2. Global Automotive Smart Key Market estimates & forecasts by region
2020-2030 (USD Billion)

TABLE 3. Global Automotive Smart Key Market estimates & forecasts by Application
2020-2030 (USD Billion)

TABLE 4. Global Automotive Smart Key Market estimates & forecasts by Technology
2020-2030 (USD Billion)

TABLE 5. Global Automotive Smart Key Market estimates & forecasts by Installation
2020-2030 (USD Billion)

TABLE 6. Global Automotive Smart Key Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 7. Global Automotive Smart Key Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 8. Global Automotive Smart Key Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 9. Global Automotive Smart Key Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 10. Global Automotive Smart Key Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 11. Global Automotive Smart Key Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 12. Global Automotive Smart Key Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 13. Global Automotive Smart Key Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 14. Global Automotive Smart Key Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 15. Global Automotive Smart Key Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 16. U.S. Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 17. U.S. Automotive Smart Key Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 18. U.S. Automotive Smart Key Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 19. Canada Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 20. Canada Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. Canada Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. UK Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 23. UK Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. UK Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. Germany Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 26. Germany Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. Germany Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. France Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 29. France Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. France Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. Italy Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 32. Italy Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Italy Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Spain Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 35. Spain Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. Spain Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. RoE Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 38. RoE Automotive Smart Key Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 39. RoE Automotive Smart Key Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 40. China Automotive Smart Key Market estimates & forecasts, 2020-2030

(USD Billion)

TABLE 41. China Automotive Smart Key Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 42. China Automotive Smart Key Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 43. India Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 44. India Automotive Smart Key Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 45. India Automotive Smart Key Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 46. Japan Automotive Smart Key Market estimates & forecasts, 2020-2030

(USD Billion)

TABLE 47. Japan Automotive Smart Key Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 48. Japan Automotive Smart Key Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 49. South Korea Automotive Smart Key Market estimates & forecasts,

2020-2030 (USD Billion)

TABLE 50. South Korea Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. South Korea Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 52. Australia Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 53. Australia Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. Australia Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 55. RoAPAC Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 56. RoAPAC Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. RoAPAC Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 58. Brazil Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 59. Brazil Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Brazil Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Mexico Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 62. Mexico Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. Mexico Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. RoLA Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 65. RoLA Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. RoLA Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. Saudi Arabia Automotive Smart Key Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 68. South Africa Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. RoMEA Automotive Smart Key Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global Automotive Smart Key Market

TABLE 71. List of primary sources, used in the study of global Automotive Smart Key Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Automotive Smart Key Market, research methodology
 - FIG 2. Global Automotive Smart Key Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Automotive Smart Key Market, key trends 2022
 - FIG 5. Global Automotive Smart Key Market, growth prospects 2023-2030
 - FIG 6. Global Automotive Smart Key Market, porters 5 force model
 - FIG 7. Global Automotive Smart Key Market, pest analysis
 - FIG 8. Global Automotive Smart Key Market, value chain analysis
 - FIG 9. Global Automotive Smart Key Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global Automotive Smart Key Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global Automotive Smart Key Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global Automotive Smart Key Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global Automotive Smart Key Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global Automotive Smart Key Market, regional snapshot 2020 & 2030
 - FIG 15. North America Automotive Smart Key Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe Automotive Smart Key Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia pacific Automotive Smart Key Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America Automotive Smart Key Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa Automotive Smart Key Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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