

Global Solid State Drive (SSD) Market Size study & Forecast, by SSD Interface (SATA, SAS, PCIE), by Application (Enterprise, Client) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/GEC7D3DD4BBCEN.html>

Date: September 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GEC7D3DD4BBCEN

Abstracts

Global Solid-State Drive (SSD) Market is valued approximately USD XXX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. A solid-state drive (SSD) is a sort of storage device used in computers as well as other electronic devices for storing and retrieving data. SSDs use flash memory technology to store data in contrast to conventional hard disc drives (HDDs), which use spinning disc and mechanical read/write heads. SSDs are composed of NAND flash memory chips that retain data even when power is removed. They provide several advantages over HDDs, including faster access times, quicker data transfer rates, lower power consumption, and improved durability due to the absence of moving parts. These characteristics make SSDs particularly suitable for applications that require fast and reliable data storage, such as operating systems, applications, and frequently accessed files. The key factor driving the market growth is growing demand in data centers, rising popularity of flash-based storage, and increasing data storage needs that anticipated to create the lucrative demand for the market over the forecast period.

Moreover, the growing number of data centers necessitates a higher demand for storage solutions, and SSDs have become the go-to choose for many data center operators. The increased adoption of SSDs in data centers is driven by their ability to handle large volumes of data quickly and efficiently, improving overall data center performance. Thus, the growing number of data centers is anticipated to support the market growth. According to United States International Trade Commission, as of year 2021 US has the highest number of data center across the globe, the country has

reported more than 2,600 data centers in year 2021 spread across the country. Along with these the country is witnessing a rise in development and construction of new data centers which is further catering the market growth. Additionally, growing technological advancement in SSDs is anticipated to create lucrative opportunities for the market during the forecast period. However, the high cost of Solid-State Drive (SSD) stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Solid State Drive (SSD) Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to rising spending on IT infrastructure coupled with increasing replacement of traditional hard drives, increasing cloud computing and data centers, presence of key market players, and Growing demand in consumer electronics. Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as rising increasing adoption of cloud computing among various enterprises, growing digitalization, and growth data volumes with increasing data centers.

Major market player included in this report are:

ADATA Technology Co. Ltd

Bitmicro networks Inc.

Kinston Technologym

KIOXIA America, Inc. (Toshiba Corporation)

Microsemi

Mushkin Enhanced MFG

Netapp

Samsung

Seagate Technology LLC

SK Hynix Inc

Recent Developments in the Market:

In July 2022, the cutting-edge computing power solid-state drive (SSD) device line from Innodisk, the global leader in industrial-grade memory and integrated devices, has introduced the 2.5' SATA 3TS6-P, 3TS9-P, and M.2 (P80) 4TS2-P SSDs. The newest Innodisk edge AI SSDs offers quick drive writes per day (DWPD), low latency, and large capacities.

Global Solid State Drive (SSD) 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 - SSD Interface, Application, 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 SSD Interface:

SATA

SAS

PCIE

By Application:

Enterprise

Client

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. Solid State Drive (SSD) Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Solid State Drive (SSD) Market, by SSD Interface, 2020-2030 (USD Billion)
 - 1.2.3. Solid State Drive (SSD) Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL SOLID STATE DRIVE (SSD) 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 SOLID STATE DRIVE (SSD) MARKET DYNAMICS

- 3.1. Solid State Drive (SSD) Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Growing demand in data centers
 - 3.1.1.2. Rising popularity of flash-based storage
 - 3.1.1.3. Increasing data storage needs
 - 3.1.2. Market Challenges
 - 3.1.2.1. High Cost of Solid State Drive (SSD)
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Growing technological advancement in SSDs

CHAPTER 4. GLOBAL SOLID STATE DRIVE (SSD) MARKET INDUSTRY ANALYSIS

- 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. Economical
 - 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 SOLID STATE DRIVE (SSD) MARKET, BY SSD INTERFACE

- 5.1. Market Snapshot
- 5.2. Global Solid State Drive (SSD) Market by SSD Interface, Performance - Potential Analysis
- 5.3. Global Solid State Drive (SSD) Market Estimates & Forecasts by SSD Interface 2020-2030 (USD Billion)
- 5.4. Solid State Drive (SSD) Market, Sub Segment Analysis
 - 5.4.1. SATA
 - 5.4.2. SAS
 - 5.4.3. PCIE

CHAPTER 6. GLOBAL SOLID STATE DRIVE (SSD) MARKET, BY APPLICATION

- 6.1. Market Snapshot
- 6.2. Global Solid State Drive (SSD) Market by Application, Performance - Potential Analysis
- 6.3. Global Solid State Drive (SSD) Market Estimates & Forecasts by Application 2020-2030 (USD Billion)
- 6.4. Solid State Drive (SSD) Market, Sub Segment Analysis

6.4.1. Enterprise

6.4.2. Client

CHAPTER 7. GLOBAL SOLID STATE DRIVE (SSD) MARKET, REGIONAL ANALYSIS

7.1. Top Leading Countries

7.2. Top Emerging Countries

7.3. Solid State Drive (SSD) Market, Regional Market Snapshot

7.4. North America Solid State Drive (SSD) Market

7.4.1. U.S. Solid State Drive (SSD) Market

7.4.1.1. SSD Interface breakdown estimates & forecasts, 2020-2030

7.4.1.2. Application breakdown estimates & forecasts, 2020-2030

7.4.2. Canada Solid State Drive (SSD) Market

7.5. Europe Solid State Drive (SSD) Market Snapshot

7.5.1. U.K. Solid State Drive (SSD) Market

7.5.2. Germany Solid State Drive (SSD) Market

7.5.3. France Solid State Drive (SSD) Market

7.5.4. Spain Solid State Drive (SSD) Market

7.5.5. Italy Solid State Drive (SSD) Market

7.5.6. Rest of Europe Solid State Drive (SSD) Market

7.6. Asia-Pacific Solid State Drive (SSD) Market Snapshot

7.6.1. China Solid State Drive (SSD) Market

7.6.2. India Solid State Drive (SSD) Market

7.6.3. Japan Solid State Drive (SSD) Market

7.6.4. Australia Solid State Drive (SSD) Market

7.6.5. South Korea Solid State Drive (SSD) Market

7.6.6. Rest of Asia Pacific Solid State Drive (SSD) Market

7.7. Latin America Solid State Drive (SSD) Market Snapshot

7.7.1. Brazil Solid State Drive (SSD) Market

7.7.2. Mexico Solid State Drive (SSD) Market

7.8. Middle East & Africa Solid State Drive (SSD) Market

7.8.1. Saudi Arabia Solid State Drive (SSD) Market

7.8.2. South Africa Solid State Drive (SSD) Market

7.8.3. Rest of Middle East & Africa Solid State Drive (SSD) Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis

- 8.1.1. Company
- 8.1.2. Company
- 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. ADATA Technology Co. Ltd
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Recent Developments
 - 8.3.2. Bitmicro networks Inc.
 - 8.3.3. Kinston Technologym
 - 8.3.4. KIOXIA America, Inc. (Toshiba Corporation)
 - 8.3.5. Microsemi
 - 8.3.6. Mushkin Enhanced MFG
 - 8.3.7. Netapp
 - 8.3.8. Samsung
 - 8.3.9. Seagate Technology LLC
 - 8.3.10. SK Hynix Inc

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis
 - 9.1.3. Market Estimation
 - 9.1.4. Validation
 - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Solid State Drive (SSD) Market, report scope

TABLE 2. Global Solid State Drive (SSD) Market estimates & forecasts by Region 2020-2030 (USD Billion)

TABLE 3. Global Solid State Drive (SSD) Market estimates & forecasts by SSD Interface 2020-2030 (USD Billion)

TABLE 4. Global Solid State Drive (SSD) Market estimates & forecasts by Application 2020-2030 (USD Billion)

TABLE 5. Global Solid State Drive (SSD) Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 6. Global Solid State Drive (SSD) Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 7. Global Solid State Drive (SSD) Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 8. Global Solid State Drive (SSD) Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 9. Global Solid State Drive (SSD) Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 10. Global Solid State Drive (SSD) Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 11. Global Solid State Drive (SSD) Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 12. Global Solid State Drive (SSD) Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 13. Global Solid State Drive (SSD) Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 14. Global Solid State Drive (SSD) Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 15. U.S. Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 16. U.S. Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 17. U.S. Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 18. Canada Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 19. Canada Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 20. Canada Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. UK Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Solid State Drive (SSD) Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 39. China Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. India Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. Japan Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 46. Japan Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. South Korea Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 49. South Korea Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. Australia Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 52. Australia Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. RoAPAC Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 55. RoAPAC Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. Brazil Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 59. Brazil Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Mexico Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 61. Mexico Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. RoLA Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 64. RoLA Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Solid State Drive (SSD) Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 67. South Africa Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. RoMEA Solid State Drive (SSD) Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Solid State Drive (SSD) Market

TABLE 70. List of primary sources, used in the study of global Solid State Drive (SSD) Market

TABLE 71. Years considered for the study

TABLE 72. 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 Solid State Drive (SSD) Market, research methodology
 - FIG 2. Global Solid State Drive (SSD) Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Solid State Drive (SSD) Market, key trends 2022
 - FIG 5. Global Solid State Drive (SSD) Market, growth prospects 2023-2030
 - FIG 6. Global Solid State Drive (SSD) Market, porters 5 force model
 - FIG 7. Global Solid State Drive (SSD) Market, pest analysis
 - FIG 8. Global Solid State Drive (SSD) Market, value chain analysis
 - FIG 9. Global Solid State Drive (SSD) Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global Solid State Drive (SSD) Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global Solid State Drive (SSD) Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global Solid State Drive (SSD) Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global Solid State Drive (SSD) Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global Solid State Drive (SSD) Market, regional snapshot 2020 & 2030
 - FIG 15. North America Solid State Drive (SSD) Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe Solid State Drive (SSD) Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia pacific Solid State Drive (SSD) Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America Solid State Drive (SSD) Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa Solid State Drive (SSD) Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global Solid State Drive (SSD) Market Size study & Forecast, by SSD Interface (SATA, SAS, PCIE), by Application (Enterprise, Client) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/GEC7D3DD4BBCEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GEC7D3DD4BBCEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

