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

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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

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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

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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

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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

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China

India

Japan

Australia

South Korea

RoAPAC

Latin America

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