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Global Automotive Solid State Drive Market Growth 2025-2031

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Abstracts

The global Automotive Solid State Drive market size is predicted to grow from US$ 1321 million in 2025 to US$ 2244 million in 2031; it is expected to grow at a CAGR of 9.2% from 2025 to 2031.

An automotive solid-state drive (Automotive SSD) is a solid-state storage device designed for use in automotive electronic systems, utilizing flash memory technology (such as NAND flash) to store data. Unlike traditional hard drives (HDDs), SSDs have no moving parts, which provides superior shock resistance and faster data read/write speeds. Automotive SSDs are rigorously certified to meet automotive industry standards, capable of operating reliably under harsh conditions such as high and low temperatures, high humidity, and strong vibrations, making them suitable for applications in infotainment, navigation systems, advanced driver assistance systems (ADAS), autonomous driving, and in-vehicle cameras.

United States market for Automotive Solid State Drive is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Automotive Solid State Drive is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Automotive Solid State Drive is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Automotive Solid State Drive players cover Samsung, YANSEN, Shanghai VEIGLO, Biwin, HIKSEMI, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

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LP Information, Inc. (LPI) ' newest research report, the “Automotive Solid State Drive Industry Forecast” looks at past sales and reviews total world Automotive Solid State Drive sales in 2024, providing a comprehensive analysis by region and market sector of projected Automotive Solid State Drive sales for 2025 through 2031. With Automotive Solid State Drive sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Automotive Solid State Drive industry.

This Insight Report provides a comprehensive analysis of the global Automotive Solid State Drive landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive Solid State Drive portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Automotive Solid State Drive market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Solid State Drive and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive Solid State Drive.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Solid State Drive market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

3D TLC

SLC

MLC

Segmentation by Application:

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Central Control System

Driving Recorder

Autopilot

Position Tracker

GPS

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

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- Europe
  - Germany
  - France
  - UK
  - Italy
  - Russia
- Middle East & Africa
  - Egypt
  - South Africa
  - Israel
  - Turkey
  - GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

- Samsung
- YANSEN
- Shanghai VEIGLO
- Biwin
- HIKSEMI

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Western Digital

Micron Technology

Exascend

SK Hynix

Storlead

Innodisk

SiliconGo

ATP Electronics

Transcend Information

Key Questions Addressed in this Report
What is the 10-year outlook for the global Automotive Solid State Drive market?
What factors are driving Automotive Solid State Drive market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Automotive Solid State Drive market opportunities vary by end market size?
How does Automotive Solid State Drive break out by Type, by Application?

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