

# Global Embedded Solid-State Storage Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Embedded Solid-State Storage market size is expected to reach \$ 33829 million by 2032, rising at a market growth of 8.2% CAGR during the forecast period (2026-2032).

Embedded Solid-State Storage refers to non-volatile flash memory storage that is permanently integrated (soldered) onto a device's mainboard rather than being removable. It is commonly used in smartphones, tablets, IoT devices, automotive systems, and industrial equipment where compact size, low power consumption, shock resistance, and high reliability are critical. Typical forms include eMMC (embedded MultiMediaCard) and UFS (Universal Flash Storage), which combine NAND flash memory and a controller in a single embedded package. In 2025, global embedded solid-state storage production reached approximately 2.1 B units, with an average global market price of around US\$ 9.00 per unit. Annual production capacity is 2.45 B units. Gross Profit Margin: 28.32%. The embedded solid-state storage industry chain starts upstream with wafer fabrication, NAND flash memory production, and controller IC design. Key materials include high-purity silicon wafers, specialty gases, photoresists, and advanced packaging substrates. Midstream players integrate NAND dies with controllers and firmware into managed storage solutions such as eMMC and UFS modules. Downstream demand comes from smartphone manufacturers, automotive electronics suppliers, industrial equipment makers, IoT device producers, and networking hardware vendors, where reliability, power efficiency, and compact form factor are critical purchasing factors. Embedded solid-state storage sits in a sweet spot between commodity memory and high-value system components. While price pressure remains constant due to NAND cost cycles, value increasingly shifts toward controller performance, firmware optimization, and long-term reliability—especially in automotive and industrial markets. As AI-enabled edge devices grow and data generation at the

device level increases, demand will favor higher capacities and faster interfaces, making embedded storage not just a cost item but a strategic performance enabler.

This report studies the global Embedded Solid-State Storage production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Embedded Solid-State Storage and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Embedded Solid-State Storage that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Embedded Solid-State Storage total production and demand, 2021-2032, (K Units)

Global Embedded Solid-State Storage total production value, 2021-2032, (USD Million)

Global Embedded Solid-State Storage production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Embedded Solid-State Storage consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Embedded Solid-State Storage domestic production, consumption, key domestic manufacturers and share

Global Embedded Solid-State Storage production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Embedded Solid-State Storage production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Embedded Solid-State Storage production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Embedded Solid-State Storage market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Samsung Electronics (South Korea), SK Hynix (South Korea), Micron Technology (United States), Kioxia (Japan), Western Digital (United States), Yangtze Memory Technologies (YMTC) (China), ADATA Technology (Taiwan), Swissbit AG (Switzerland), Silicon Motion Technology (Taiwan / United States), Longsys Electronics (China), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Embedded Solid-State Storage market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

### **Global Embedded Solid-State Storage Market, By Region:**

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### **Global Embedded Solid-State Storage Market, Segmentation by Type:**

eMMC (embedded MultiMediaCard)

UFS (Universal Flash Storage)

Embedded SATA Storage

Embedded PCIe / NVMe Storage

#### Global Embedded Solid-State Storage Market, Segmentation by Package Form:

Monolithic Embedded Storage

Discrete Embedded Storage Solution

Multi-Chip Package (MCP) Storage

System-in-Package (SiP) Storage

#### Global Embedded Solid-State Storage Market, Segmentation by Capacity Tier:

Low Capacity (<32GB)

Mid Capacity (64GB–128GB)

High Capacity (256GB–512GB)

Ultra-High Capacity (>1TB)

#### Global Embedded Solid-State Storage Market, Segmentation by Application:

Electric

AUTO

Industrial

IoT

Networking & Telecom

**Companies Profiled:**

Samsung Electronics (South Korea)

SK Hynix (South Korea)

Micron Technology (United States)

Kioxia (Japan)

Western Digital (United States)

Yangtze Memory Technologies (YMTC) (China)

ADATA Technology(Taiwan)

Swissbit AG(Switzerland)

Silicon Motion Technology (Taiwan / United States)

Longsys Electronics (China)

BIWIN Storage Technology (China)

SMART Modular Technologies (U.S.)

Greenliant Systems(United States)

Innodisk(Taiwan)

Virtium (United States)

Kingston Technology (United States)

Apacer Technology (Taiwan)

GigaDevice Semiconductor (China)

ATP Electronics (Taiwan)

## Integral Memory (United Kingdom)

### **Key Questions Answered:**

1. How big is the global Embedded Solid-State Storage market?
2. What is the demand of the global Embedded Solid-State Storage market?
3. What is the year over year growth of the global Embedded Solid-State Storage market?
4. What is the production and production value of the global Embedded Solid-State Storage market?
5. Who are the key producers in the global Embedded Solid-State Storage market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Autonomous Logistics Truck Introduction
- 1.2 World Autonomous Logistics Truck Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World Autonomous Logistics Truck Total Market by Region (by Headquarter Location)
  - 1.3.1 World Autonomous Logistics Truck Market Size by Region (2021-2032), (by Headquarter Location)
  - 1.3.2 United States Based Company Autonomous Logistics Truck Revenue (2021-2032)
  - 1.3.3 China Based Company Autonomous Logistics Truck Revenue (2021-2032)
  - 1.3.4 Europe Based Company Autonomous Logistics Truck Revenue (2021-2032)
  - 1.3.5 Japan Based Company Autonomous Logistics Truck Revenue (2021-2032)
  - 1.3.6 South Korea Based Company Autonomous Logistics Truck Revenue (2021-2032)
  - 1.3.7 ASEAN Based Company Autonomous Logistics Truck Revenue (2021-2032)
  - 1.3.8 India Based Company Autonomous Logistics Truck Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Autonomous Logistics Truck Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Autonomous Logistics Truck Consumption Value (2021-2032)
- 2.2 World Autonomous Logistics Truck Consumption Value by Region
  - 2.2.1 World Autonomous Logistics Truck Consumption Value by Region (2021-2026)
  - 2.2.2 World Autonomous Logistics Truck Consumption Value Forecast by Region (2027-2032)
- 2.3 United States Autonomous Logistics Truck Consumption Value (2021-2032)
- 2.4 China Autonomous Logistics Truck Consumption Value (2021-2032)
- 2.5 Europe Autonomous Logistics Truck Consumption Value (2021-2032)
- 2.6 Japan Autonomous Logistics Truck Consumption Value (2021-2032)
- 2.7 South Korea Autonomous Logistics Truck Consumption Value (2021-2032)
- 2.8 ASEAN Autonomous Logistics Truck Consumption Value (2021-2032)
- 2.9 India Autonomous Logistics Truck Consumption Value (2021-2032)

### **3 WORLD AUTONOMOUS LOGISTICS TRUCK COMPANIES COMPETITIVE ANALYSIS**

- 3.1 World Autonomous Logistics Truck Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)
  - 3.2.1 Global Autonomous Logistics Truck Industry Rank of Major Players
  - 3.2.2 Global Concentration Ratios (CR4) for Autonomous Logistics Truck in 2025
  - 3.2.3 Global Concentration Ratios (CR8) for Autonomous Logistics Truck in 2025
- 3.3 Autonomous Logistics Truck Company Evaluation Quadrant
- 3.4 Autonomous Logistics Truck Market: Overall Company Footprint Analysis
  - 3.4.1 Autonomous Logistics Truck Market: Region Footprint
  - 3.4.2 Autonomous Logistics Truck Market: Company Product Type Footprint
  - 3.4.3 Autonomous Logistics Truck Market: Company Product Application Footprint
- 3.5 Competitive Environment
  - 3.5.1 Historical Structure of the Industry
  - 3.5.2 Barriers of Market Entry
  - 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

### **4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)**

- 4.1 United States VS China: Autonomous Logistics Truck Revenue Comparison (by Headquarter Location)
  - 4.1.1 United States VS China: Autonomous Logistics Truck Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
  - 4.1.2 United States VS China: Autonomous Logistics Truck Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: Autonomous Logistics Truck Consumption Value Comparison
  - 4.2.1 United States VS China: Autonomous Logistics Truck Consumption Value Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: Autonomous Logistics Truck Consumption Value Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States Based Autonomous Logistics Truck Companies and Market Share, 2021-2026
  - 4.3.1 United States Based Autonomous Logistics Truck Companies, Headquarters (States, Country)
  - 4.3.2 United States Based Companies Autonomous Logistics Truck Revenue,

(2021-2026)

4.4 China Based Companies Autonomous Logistics Truck Revenue and Market Share, 2021-2026

4.4.1 China Based Autonomous Logistics Truck Companies, Company Headquarters (Province, Country)

4.4.2 China Based Companies Autonomous Logistics Truck Revenue, (2021-2026)

4.5 Rest of World Based Autonomous Logistics Truck Companies and Market Share, 2021-2026

4.5.1 Rest of World Based Autonomous Logistics Truck Companies, Headquarters (Province, Country)

4.5.2 Rest of World Based Companies Autonomous Logistics Truck Revenue (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Autonomous Logistics Truck Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Product Sales

5.2.2 Fleet Operation

5.3 Market Segment by Type

5.3.1 World Autonomous Logistics Truck Market Size by Type (2021-2026)

5.3.2 World Autonomous Logistics Truck Market Size by Type (2027-2032)

5.3.3 World Autonomous Logistics Truck Market Size Market Share by Type (2027-2032)

## **6 MARKET ANALYSIS BY AUTONOMY LEVEL**

6.1 World Autonomous Logistics Truck Market Size Overview by Autonomy Level: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Autonomy Level

6.2.1 L2+/L2++

6.2.2 L3

6.2.3 L4

6.3 Market Segment by Autonomy Level

6.3.1 World Autonomous Logistics Truck Market Size by Autonomy Level (2021-2026)

6.3.2 World Autonomous Logistics Truck Market Size by Autonomy Level (2027-2032)

6.3.3 World Autonomous Logistics Truck Market Size Market Share by Autonomy Level (2027-2032)

## **7 MARKET ANALYSIS BY APPLICATION**

7.1 World Autonomous Logistics Truck Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Line-haul

7.2.2 Middle-mile

7.2.3 Terminal

7.2.4 Port and Industrial Campus Logistics

7.3 Market Segment by Application

7.3.1 World Autonomous Logistics Truck Market Size by Application (2021-2026)

7.3.2 World Autonomous Logistics Truck Market Size by Application (2027-2032)

7.3.3 World Autonomous Logistics Truck Market Size Market Share by Application (2021-2032)

## **8 COMPANY PROFILES**

8.1 Gatik

8.1.1 Gatik Details

8.1.2 Gatik Major Business

8.1.3 Gatik Autonomous Logistics Truck Product and Services

8.1.4 Gatik Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.1.5 Gatik Recent Developments/Updates

8.1.6 Gatik Competitive Strengths & Weaknesses

8.2 Aurora Innovation

8.2.1 Aurora Innovation Details

8.2.2 Aurora Innovation Major Business

8.2.3 Aurora Innovation Autonomous Logistics Truck Product and Services

8.2.4 Aurora Innovation Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.2.5 Aurora Innovation Recent Developments/Updates

8.2.6 Aurora Innovation Competitive Strengths & Weaknesses

8.3 Inceptio Technology

8.3.1 Inceptio Technology Details

8.3.2 Inceptio Technology Major Business

8.3.3 Inceptio Technology Autonomous Logistics Truck Product and Services

8.3.4 Inceptio Technology Autonomous Logistics Truck Revenue, Gross Margin and

## Market Share (2021-2026)

8.3.5 Inceptio Technology Recent Developments/Updates

8.3.6 Inceptio Technology Competitive Strengths & Weaknesses

## 8.4 Pony.ai

8.4.1 Pony.ai Details

8.4.2 Pony.ai Major Business

8.4.3 Pony.ai Autonomous Logistics Truck Product and Services

8.4.4 Pony.ai Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.4.5 Pony.ai Recent Developments/Updates

8.4.6 Pony.ai Competitive Strengths & Weaknesses

## 8.5 KargoBot.ai

8.5.1 KargoBot.ai Details

8.5.2 KargoBot.ai Major Business

8.5.3 KargoBot.ai Autonomous Logistics Truck Product and Services

8.5.4 KargoBot.ai Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.5.5 KargoBot.ai Recent Developments/Updates

8.5.6 KargoBot.ai Competitive Strengths & Weaknesses

## 8.6 Trunk Technology

8.6.1 Trunk Technology Details

8.6.2 Trunk Technology Major Business

8.6.3 Trunk Technology Autonomous Logistics Truck Product and Services

8.6.4 Trunk Technology Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.6.5 Trunk Technology Recent Developments/Updates

8.6.6 Trunk Technology Competitive Strengths & Weaknesses

## 8.7 Utopilot

8.7.1 Utopilot Details

8.7.2 Utopilot Major Business

8.7.3 Utopilot Autonomous Logistics Truck Product and Services

8.7.4 Utopilot Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.7.5 Utopilot Recent Developments/Updates

8.7.6 Utopilot Competitive Strengths & Weaknesses

## 8.8 Kodiak AI

8.8.1 Kodiak AI Details

8.8.2 Kodiak AI Major Business

8.8.3 Kodiak AI Autonomous Logistics Truck Product and Services

8.8.4 Kodiak AI Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.8.5 Kodiak AI Recent Developments/Updates

8.8.6 Kodiak AI Competitive Strengths & Weaknesses

8.9 Torc Robotics

8.9.1 Torc Robotics Details

8.9.2 Torc Robotics Major Business

8.9.3 Torc Robotics Autonomous Logistics Truck Product and Services

8.9.4 Torc Robotics Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.9.5 Torc Robotics Recent Developments/Updates

8.9.6 Torc Robotics Competitive Strengths & Weaknesses

8.10 Einride

8.10.1 Einride Details

8.10.2 Einride Major Business

8.10.3 Einride Autonomous Logistics Truck Product and Services

8.10.4 Einride Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.10.5 Einride Recent Developments/Updates

8.10.6 Einride Competitive Strengths & Weaknesses

8.11 Westwell

8.11.1 Westwell Details

8.11.2 Westwell Major Business

8.11.3 Westwell Autonomous Logistics Truck Product and Services

8.11.4 Westwell Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.11.5 Westwell Recent Developments/Updates

8.11.6 Westwell Competitive Strengths & Weaknesses

8.12 Fabu.ai

8.12.1 Fabu.ai Details

8.12.2 Fabu.ai Major Business

8.12.3 Fabu.ai Autonomous Logistics Truck Product and Services

8.12.4 Fabu.ai Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)

8.12.5 Fabu.ai Recent Developments/Updates

8.12.6 Fabu.ai Competitive Strengths & Weaknesses

8.13 Outrider

8.13.1 Outrider Details

8.13.2 Outrider Major Business

- 8.13.3 Outrider Autonomous Logistics Truck Product and Services
- 8.13.4 Outrider Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)
- 8.13.5 Outrider Recent Developments/Updates
- 8.13.6 Outrider Competitive Strengths & Weaknesses
- 8.14 FERNRID
  - 8.14.1 FERNRID Details
  - 8.14.2 FERNRID Major Business
  - 8.14.3 FERNRID Autonomous Logistics Truck Product and Services
  - 8.14.4 FERNRID Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)
  - 8.14.5 FERNRID Recent Developments/Updates
  - 8.14.6 FERNRID Competitive Strengths & Weaknesses
- 8.15 EasyMile
  - 8.15.1 EasyMile Details
  - 8.15.2 EasyMile Major Business
  - 8.15.3 EasyMile Autonomous Logistics Truck Product and Services
  - 8.15.4 EasyMile Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)
  - 8.15.5 EasyMile Recent Developments/Updates
  - 8.15.6 EasyMile Competitive Strengths & Weaknesses
- 8.16 CiDi
  - 8.16.1 CiDi Details
  - 8.16.2 CiDi Major Business
  - 8.16.3 CiDi Autonomous Logistics Truck Product and Services
  - 8.16.4 CiDi Autonomous Logistics Truck Revenue, Gross Margin and Market Share (2021-2026)
  - 8.16.5 CiDi Recent Developments/Updates
  - 8.16.6 CiDi Competitive Strengths & Weaknesses

## **9 INDUSTRY CHAIN ANALYSIS**

- 9.1 Autonomous Logistics Truck Industry Chain
- 9.2 Autonomous Logistics Truck Upstream Analysis
- 9.3 Autonomous Logistics Truck Midstream Analysis
- 9.4 Autonomous Logistics Truck Downstream Analysis

## **10 RESEARCH FINDINGS AND CONCLUSION**

## **11 APPENDIX**

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Embedded Solid-State Storage Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Embedded Solid-State Storage Production Value by Region (2021-2026) & (USD Million)

Table 3. World Embedded Solid-State Storage Production Value by Region (2027-2032) & (USD Million)

Table 4. World Embedded Solid-State Storage Production Value Market Share by Region (2021-2026)

Table 5. World Embedded Solid-State Storage Production Value Market Share by Region (2027-2032)

Table 6. World Embedded Solid-State Storage Production by Region (2021-2026) & (K Units)

Table 7. World Embedded Solid-State Storage Production by Region (2027-2032) & (K Units)

Table 8. World Embedded Solid-State Storage Production Market Share by Region (2021-2026)

Table 9. World Embedded Solid-State Storage Production Market Share by Region (2027-2032)

Table 10. World Embedded Solid-State Storage Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Embedded Solid-State Storage Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Embedded Solid-State Storage Major Market Trends

Table 13. World Embedded Solid-State Storage Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Embedded Solid-State Storage Consumption by Region (2021-2026) & (K Units)

Table 15. World Embedded Solid-State Storage Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Embedded Solid-State Storage Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Embedded Solid-State Storage Producers in 2025

Table 18. World Embedded Solid-State Storage Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Embedded Solid-State Storage Producers in 2025

Table 20. World Embedded Solid-State Storage Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Embedded Solid-State Storage Company Evaluation Quadrant

Table 22. World Embedded Solid-State Storage Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Embedded Solid-State Storage Production Site of Key Manufacturer

Table 24. Embedded Solid-State Storage Market: Company Product Type Footprint

Table 25. Embedded Solid-State Storage Market: Company Product Application Footprint

Table 26. Embedded Solid-State Storage Competitive Factors

Table 27. Embedded Solid-State Storage New Entrant and Capacity Expansion Plans

Table 28. Embedded Solid-State Storage Mergers & Acquisitions Activity

Table 29. United States VS China Embedded Solid-State Storage Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Embedded Solid-State Storage Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Embedded Solid-State Storage Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Embedded Solid-State Storage Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Embedded Solid-State Storage Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Embedded Solid-State Storage Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Embedded Solid-State Storage Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Embedded Solid-State Storage Production Market Share (2021-2026)

Table 37. China Based Embedded Solid-State Storage Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Embedded Solid-State Storage Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Embedded Solid-State Storage Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Embedded Solid-State Storage Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Embedded Solid-State Storage Production Market Share (2021-2026)

Table 42. Rest of World Based Embedded Solid-State Storage Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Embedded Solid-State Storage Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Embedded Solid-State Storage Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Embedded Solid-State Storage Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Embedded Solid-State Storage Production Market Share (2021-2026)

Table 47. World Embedded Solid-State Storage Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Embedded Solid-State Storage Production by Type (2021-2026) & (K Units)

Table 49. World Embedded Solid-State Storage Production by Type (2027-2032) & (K Units)

Table 50. World Embedded Solid-State Storage Production Value by Type (2021-2026) & (USD Million)

Table 51. World Embedded Solid-State Storage Production Value by Type (2027-2032) & (USD Million)

Table 52. World Embedded Solid-State Storage Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Embedded Solid-State Storage Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Embedded Solid-State Storage Production Value by Package Form, (USD Million), 2021 & 2025 & 2032

Table 55. World Embedded Solid-State Storage Production by Package Form (2021-2026) & (K Units)

Table 56. World Embedded Solid-State Storage Production by Package Form (2027-2032) & (K Units)

Table 57. World Embedded Solid-State Storage Production Value by Package Form (2021-2026) & (USD Million)

Table 58. World Embedded Solid-State Storage Production Value by Package Form (2027-2032) & (USD Million)

Table 59. World Embedded Solid-State Storage Average Price by Package Form (2021-2026) & (US\$/Unit)

Table 60. World Embedded Solid-State Storage Average Price by Package Form

(2027-2032) & (US\$/Unit)

Table 61. World Embedded Solid-State Storage Production Value by Capacity Tier, (USD Million), 2021 & 2025 & 2032

Table 62. World Embedded Solid-State Storage Production by Capacity Tier (2021-2026) & (K Units)

Table 63. World Embedded Solid-State Storage Production by Capacity Tier (2027-2032) & (K Units)

Table 64. World Embedded Solid-State Storage Production Value by Capacity Tier (2021-2026) & (USD Million)

Table 65. World Embedded Solid-State Storage Production Value by Capacity Tier (2027-2032) & (USD Million)

Table 66. World Embedded Solid-State Storage Average Price by Capacity Tier (2021-2026) & (US\$/Unit)

Table 67. World Embedded Solid-State Storage Average Price by Capacity Tier (2027-2032) & (US\$/Unit)

Table 68. World Embedded Solid-State Storage Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Embedded Solid-State Storage Production by Application (2021-2026) & (K Units)

Table 70. World Embedded Solid-State Storage Production by Application (2027-2032) & (K Units)

Table 71. World Embedded Solid-State Storage Production Value by Application (2021-2026) & (USD Million)

Table 72. World Embedded Solid-State Storage Production Value by Application (2027-2032) & (USD Million)

Table 73. World Embedded Solid-State Storage Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Embedded Solid-State Storage Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Samsung Electronics (South Korea) Basic Information, Manufacturing Base and Competitors

Table 76. Samsung Electronics (South Korea) Major Business

Table 77. Samsung Electronics (South Korea) Embedded Solid-State Storage Product and Services

Table 78. Samsung Electronics (South Korea) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Samsung Electronics (South Korea) Recent Developments/Updates

Table 80. Samsung Electronics (South Korea) Competitive Strengths & Weaknesses

- Table 81. SK Hynix (South Korea) Basic Information, Manufacturing Base and Competitors
- Table 82. SK Hynix (South Korea) Major Business
- Table 83. SK Hynix (South Korea) Embedded Solid-State Storage Product and Services
- Table 84. SK Hynix (South Korea) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. SK Hynix (South Korea) Recent Developments/Updates
- Table 86. SK Hynix (South Korea) Competitive Strengths & Weaknesses
- Table 87. Micron Technology (United States) Basic Information, Manufacturing Base and Competitors
- Table 88. Micron Technology (United States) Major Business
- Table 89. Micron Technology (United States) Embedded Solid-State Storage Product and Services
- Table 90. Micron Technology (United States) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Micron Technology (United States) Recent Developments/Updates
- Table 92. Micron Technology (United States) Competitive Strengths & Weaknesses
- Table 93. Kioxia (Japan) Basic Information, Manufacturing Base and Competitors
- Table 94. Kioxia (Japan) Major Business
- Table 95. Kioxia (Japan) Embedded Solid-State Storage Product and Services
- Table 96. Kioxia (Japan) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Kioxia (Japan) Recent Developments/Updates
- Table 98. Kioxia (Japan) Competitive Strengths & Weaknesses
- Table 99. Western Digital (United States) Basic Information, Manufacturing Base and Competitors
- Table 100. Western Digital (United States) Major Business
- Table 101. Western Digital (United States) Embedded Solid-State Storage Product and Services
- Table 102. Western Digital (United States) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Western Digital (United States) Recent Developments/Updates
- Table 104. Western Digital (United States) Competitive Strengths & Weaknesses
- Table 105. Yangtze Memory Technologies (YMTC) (China) Basic Information, Manufacturing Base and Competitors

- Table 106. Yangtze Memory Technologies (YMTC) (China) Major Business
- Table 107. Yangtze Memory Technologies (YMTC) (China) Embedded Solid-State Storage Product and Services
- Table 108. Yangtze Memory Technologies (YMTC) (China) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. Yangtze Memory Technologies (YMTC) (China) Recent Developments/Updates
- Table 110. Yangtze Memory Technologies (YMTC) (China) Competitive Strengths & Weaknesses
- Table 111. ADATA Technology(Taiwan) Basic Information, Manufacturing Base and Competitors
- Table 112. ADATA Technology(Taiwan) Major Business
- Table 113. ADATA Technology(Taiwan) Embedded Solid-State Storage Product and Services
- Table 114. ADATA Technology(Taiwan) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. ADATA Technology(Taiwan) Recent Developments/Updates
- Table 116. ADATA Technology(Taiwan) Competitive Strengths & Weaknesses
- Table 117. Swissbit AG(Switzerland) Basic Information, Manufacturing Base and Competitors
- Table 118. Swissbit AG(Switzerland) Major Business
- Table 119. Swissbit AG(Switzerland) Embedded Solid-State Storage Product and Services
- Table 120. Swissbit AG(Switzerland) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. Swissbit AG(Switzerland) Recent Developments/Updates
- Table 122. Swissbit AG(Switzerland) Competitive Strengths & Weaknesses
- Table 123. Silicon Motion Technology (Taiwan / United States) Basic Information, Manufacturing Base and Competitors
- Table 124. Silicon Motion Technology (Taiwan / United States) Major Business
- Table 125. Silicon Motion Technology (Taiwan / United States) Embedded Solid-State Storage Product and Services
- Table 126. Silicon Motion Technology (Taiwan / United States) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. Silicon Motion Technology (Taiwan / United States) Recent

## Developments/Updates

Table 128. Silicon Motion Technology (Taiwan / United States) Competitive Strengths & Weaknesses

Table 129. Longsys Electronics (China) Basic Information, Manufacturing Base and Competitors

Table 130. Longsys Electronics (China) Major Business

Table 131. Longsys Electronics (China) Embedded Solid-State Storage Product and Services

Table 132. Longsys Electronics (China) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Longsys Electronics (China) Recent Developments/Updates

Table 134. Longsys Electronics (China) Competitive Strengths & Weaknesses

Table 135. BIWIN Storage Technology (China) Basic Information, Manufacturing Base and Competitors

Table 136. BIWIN Storage Technology (China) Major Business

Table 137. BIWIN Storage Technology (China) Embedded Solid-State Storage Product and Services

Table 138. BIWIN Storage Technology (China) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. BIWIN Storage Technology (China) Recent Developments/Updates

Table 140. BIWIN Storage Technology (China) Competitive Strengths & Weaknesses

Table 141. SMART Modular Technologies (U.S.) Basic Information, Manufacturing Base and Competitors

Table 142. SMART Modular Technologies (U.S.) Major Business

Table 143. SMART Modular Technologies (U.S.) Embedded Solid-State Storage Product and Services

Table 144. SMART Modular Technologies (U.S.) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. SMART Modular Technologies (U.S.) Recent Developments/Updates

Table 146. SMART Modular Technologies (U.S.) Competitive Strengths & Weaknesses

Table 147. Greenliant Systems(United States) Basic Information, Manufacturing Base and Competitors

Table 148. Greenliant Systems(United States) Major Business

Table 149. Greenliant Systems(United States) Embedded Solid-State Storage Product and Services

Table 150. Greenliant Systems(United States) Embedded Solid-State Storage

Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Greenliant Systems(United States) Recent Developments/Updates

Table 152. Greenliant Systems(United States) Competitive Strengths & Weaknesses

Table 153. Innodisk(Taiwan) Basic Information, Manufacturing Base and Competitors

Table 154. Innodisk(Taiwan) Major Business

Table 155. Innodisk(Taiwan) Embedded Solid-State Storage Product and Services

Table 156. Innodisk(Taiwan) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Innodisk(Taiwan) Recent Developments/Updates

Table 158. Innodisk(Taiwan) Competitive Strengths & Weaknesses

Table 159. Virtium (United States) Basic Information, Manufacturing Base and Competitors

Table 160. Virtium (United States) Major Business

Table 161. Virtium (United States) Embedded Solid-State Storage Product and Services

Table 162. Virtium (United States) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Virtium (United States) Recent Developments/Updates

Table 164. Virtium (United States) Competitive Strengths & Weaknesses

Table 165. Kingston Technology (United States) Basic Information, Manufacturing Base and Competitors

Table 166. Kingston Technology (United States) Major Business

Table 167. Kingston Technology (United States) Embedded Solid-State Storage Product and Services

Table 168. Kingston Technology (United States) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Kingston Technology (United States) Recent Developments/Updates

Table 170. Kingston Technology (United States) Competitive Strengths & Weaknesses

Table 171. Apacer Technology (Taiwan) Basic Information, Manufacturing Base and Competitors

Table 172. Apacer Technology (Taiwan) Major Business

Table 173. Apacer Technology (Taiwan) Embedded Solid-State Storage Product and Services

Table 174. Apacer Technology (Taiwan) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Apacer Technology (Taiwan) Recent Developments/Updates

Table 176. Apacer Technology (Taiwan) Competitive Strengths & Weaknesses

Table 177. GigaDevice Semiconductor (China) Basic Information, Manufacturing Base and Competitors

Table 178. GigaDevice Semiconductor (China) Major Business

Table 179. GigaDevice Semiconductor (China) Embedded Solid-State Storage Product and Services

Table 180. GigaDevice Semiconductor (China) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. GigaDevice Semiconductor (China) Recent Developments/Updates

Table 182. GigaDevice Semiconductor (China) Competitive Strengths & Weaknesses

Table 183. ATP Electronics (Taiwan) Basic Information, Manufacturing Base and Competitors

Table 184. ATP Electronics (Taiwan) Major Business

Table 185. ATP Electronics (Taiwan) Embedded Solid-State Storage Product and Services

Table 186. ATP Electronics (Taiwan) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. ATP Electronics (Taiwan) Recent Developments/Updates

Table 188. ATP Electronics (Taiwan) Competitive Strengths & Weaknesses

Table 189. Integral Memory (United Kingdom) Basic Information, Manufacturing Base and Competitors

Table 190. Integral Memory (United Kingdom) Major Business

Table 191. Integral Memory (United Kingdom) Embedded Solid-State Storage Product and Services

Table 192. Integral Memory (United Kingdom) Embedded Solid-State Storage Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Integral Memory (United Kingdom) Recent Developments/Updates

Table 194. Integral Memory (United Kingdom) Competitive Strengths & Weaknesses

Table 195. Global Key Players of Embedded Solid-State Storage Upstream (Raw Materials)

Table 196. Global Embedded Solid-State Storage Typical Customers

Table 197. Embedded Solid-State Storage Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Embedded Solid-State Storage Picture

Figure 2. World Embedded Solid-State Storage Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Embedded Solid-State Storage Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Embedded Solid-State Storage Production (2021-2032) & (K Units)

Figure 5. World Embedded Solid-State Storage Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Embedded Solid-State Storage Production Value Market Share by Region (2021-2032)

Figure 7. World Embedded Solid-State Storage Production Market Share by Region (2021-2032)

Figure 8. North America Embedded Solid-State Storage Production (2021-2032) & (K Units)

Figure 9. Europe Embedded Solid-State Storage Production (2021-2032) & (K Units)

Figure 10. China Embedded Solid-State Storage Production (2021-2032) & (K Units)

Figure 11. Japan Embedded Solid-State Storage Production (2021-2032) & (K Units)

Figure 12. South Korea Embedded Solid-State Storage Production (2021-2032) & (K Units)

Figure 13. Southeast Asia Embedded Solid-State Storage Production (2021-2032) & (K Units)

Figure 14. China Taiwan Embedded Solid-State Storage Production (2021-2032) & (K Units)

Figure 15. Embedded Solid-State Storage Market Drivers

Figure 16. Factors Affecting Demand

Figure 17. World Embedded Solid-State Storage Consumption (2021-2032) & (K Units)

Figure 18. World Embedded Solid-State Storage Consumption Market Share by Region (2021-2032)

Figure 19. United States Embedded Solid-State Storage Consumption (2021-2032) & (K Units)

Figure 20. China Embedded Solid-State Storage Consumption (2021-2032) & (K Units)

Figure 21. Europe Embedded Solid-State Storage Consumption (2021-2032) & (K Units)

Figure 22. Japan Embedded Solid-State Storage Consumption (2021-2032) & (K Units)

Figure 23. South Korea Embedded Solid-State Storage Consumption (2021-2032) & (K Units)

Units)

Figure 24. ASEAN Embedded Solid-State Storage Consumption (2021-2032) & (K Units)

Figure 25. India Embedded Solid-State Storage Consumption (2021-2032) & (K Units)

Figure 26. Producer Shipments of Embedded Solid-State Storage by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for Embedded Solid-State Storage Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for Embedded Solid-State Storage Markets in 2025

Figure 29. United States VS China: Embedded Solid-State Storage Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Embedded Solid-State Storage Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: Embedded Solid-State Storage Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers Embedded Solid-State Storage Production Market Share 2025

Figure 33. China Based Manufacturers Embedded Solid-State Storage Production Market Share 2025

Figure 34. Rest of World Based Manufacturers Embedded Solid-State Storage Production Market Share 2025

Figure 35. World Embedded Solid-State Storage Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World Embedded Solid-State Storage Production Value Market Share by Type in 2025

Figure 37. eMMC (embedded MultiMediaCard)

Figure 38. UFS (Universal Flash Storage)

Figure 39. Embedded SATA Storage

Figure 40. Embedded PCIe / NVMe Storage

Figure 41. World Embedded Solid-State Storage Production Market Share by Type (2021-2032)

Figure 42. World Embedded Solid-State Storage Production Value Market Share by Type (2021-2032)

Figure 43. World Embedded Solid-State Storage Average Price by Type (2021-2032) & (US\$/Unit)

Figure 44. World Embedded Solid-State Storage Production Value by Package Form, (USD Million), 2021 & 2025 & 2032

Figure 45. World Embedded Solid-State Storage Production Value Market Share by

## Package Form in 2025

Figure 46. Monolithic Embedded Storage

Figure 47. Discrete Embedded Storage Solution

Figure 48. Multi-Chip Package (MCP) Storage

Figure 49. System-in-Package (SiP) Storage

Figure 50. World Embedded Solid-State Storage Production Market Share by Package Form (2021-2032)

Figure 51. World Embedded Solid-State Storage Production Value Market Share by Package Form (2021-2032)

Figure 52. World Embedded Solid-State Storage Average Price by Package Form (2021-2032) & (US\$/Unit)

Figure 53. World Embedded Solid-State Storage Production Value by Capacity Tier, (USD Million), 2021 & 2025 & 2032

Figure 54. World Embedded Solid-State Storage Production Value Market Share by Capacity Tier in 2025

Figure 55. Low Capacity (<32GB)

Figure 56. Mid Capacity (64GB–128GB)

Figure 57. High Capacity (256GB–512GB)

Figure 58. Ultra-High Capacity (>1TB)

Figure 59. World Embedded Solid-State Storage Production Market Share by Capacity Tier (2021-2032)

Figure 60. World Embedded Solid-State Storage Production Value Market Share by Capacity Tier (2021-2032)

Figure 61. World Embedded Solid-State Storage Average Price by Capacity Tier (2021-2032) & (US\$/Unit)

Figure 62. World Embedded Solid-State Storage Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 63. World Embedded Solid-State Storage Production Value Market Share by Application in 2025

Figure 64. Electric

Figure 65. AUTO

Figure 66. Industrial

Figure 67. IoT

Figure 68. Networking & Telecom

Figure 69. World Embedded Solid-State Storage Production Market Share by Application (2021-2032)

Figure 70. World Embedded Solid-State Storage Production Value Market Share by Application (2021-2032)

Figure 71. World Embedded Solid-State Storage Average Price by Application

(2021-2032) & (US\$/Unit)

Figure 72. Embedded Solid-State Storage Industry Chain

Figure 73. Embedded Solid-State Storage Procurement Model

Figure 74. Embedded Solid-State Storage Sales Model

Figure 75. Embedded Solid-State Storage Sales Channels, Direct Sales, and Distribution

Figure 76. Methodology

Figure 77. Research Process and Data Source

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