



Global Hardware-FDE Industry Growth and Trends Forecast to 2032

Industry	Published	Pages	Format
Electronics & Semiconductor	2026-01-30	101	PDF
Single User	Multi User	Enterprise	
USD 3,450	USD 5,175	USD 6,900	

Description

The global Hardware-FDE market was valued at US\$ million in 2026 and is projected to reach US\$ million by 2032, implying a CAGR of xx% over 2026-2032.

The North America market for Hardware-FDE is projected to increase from US\$ million in 2026 to US\$ million by 2032, corresponding to a CAGR of % over 2026-2032.

The Europe market for Hardware-FDE is projected to increase from US\$ million in 2026 to US\$ million by 2032, registering a CAGR of % over 2026-2032.

The Asia Pacific market for Hardware-FDE is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

Leading global manufacturers of Hardware-FDE include iStorage, Seagate Technology, Hitachi, Western Digital, Samsung, Toshiba, OCZ, SanDisk and Micron Technology, among others. In 2025, the top three vendors together accounted for approximately % of global revenue.

Report Scope

This report provides a structured, data-driven view of the global Hardware-FDE market, combining harmonized quantitative metrics with targeted qualitative insight to support business and growth strategy, market positioning, and capital allocation.

The Hardware-FDE market size, estimates, and forecasts are presented in terms of sales volume (k units) and revenue (US\$ million), with 2025 as the base year and historical and forecast data for 2021-2032. The report segments the global Hardware-FDE market by Type, Application, region/country, and company, provides regional market sizes at the segment level, profiles the competitive landscape and key players and their market ranks, and reviews technology trends and new product developments relevant to Hardware-FDE.

Key Companies & Market Share Insights

This section analyzes the strategies and performance of leading manufacturers in the global Hardware-FDE market, including portfolio focus, innovation and product development, mergers and acquisitions, collaborations, and geographic expansion used to sustain or enhance competitive positions. It also summarizes recent corporate developments and key financial indicators and provides global revenue, price, and sales volume data by manufacturer for 2020-2025, enabling benchmarking of scale, pricing, and market share and supporting assessment of market concentration through indicators such as CR5 and CR10.

Hardware-FDE Market by Company

iStorage

Seagate Technology

Hitachi

Western Digital

Samsung

Toshiba

OCZ

SanDisk

Micron Technology

Integral Memory

Hardware-FDE Segment by Type

Hard Disk Drive (HDD) FDE

Enclosed Hard Disk Drive FDE

Bridge & Chipset (BC) FDE

Hardware-FDE Segment by Application

IT & Telecom

BFSI

Government & Public Utilities

Manufacturing Enterprise

Others

Hardware-FDE Segment by Region

North America

United States

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt
South Africa
Israel
Türkiye
GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Hardware-FDE market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Hardware-FDE and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Hardware-FDE.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, South America, Middle East & Africa.

Chapter 2:

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3:

Detailed analysis of Hardware-FDE manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Sales, revenue of Hardware-FDE in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5:

Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, South America, Middle East & Africa.

Chapter 6:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, South America, Middle East & Africa, sales and revenue by country.

Chapter 12:

Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13:

Concluding Insights of the report.

Table of Contents

1 Market Overview

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Hardware-FDE Market Size Estimates and Forecasts (2021-2032)
 - 1.2.2 Global Hardware-FDE Sales Estimates and Forecasts (2021-2032)
- 1.3 Hardware-FDE Market by Type
 - 1.3.1 Hard Disk Drive (HDD) FDE
 - 1.3.2 Enclosed Hard Disk Drive FDE
 - 1.3.3 Bridge & Chipset (BC) FDE
- 1.4 Global Hardware-FDE Market Size by Type
 - 1.4.1 Global Hardware-FDE Market Size Overview by Type (2021-2032)
 - 1.4.2 Global Hardware-FDE Historic Market Size Review by Type (2021-2026)
 - 1.4.3 Global Hardware-FDE Forecasted Market Size by Type (2027-2032)
- 1.5 Key Regions Market Size by Type
 - 1.5.1 North America Hardware-FDE Sales Breakdown by Type (2021-2026)
 - 1.5.2 Europe Hardware-FDE Sales Breakdown by Type (2021-2026)
 - 1.5.3 Asia-Pacific Hardware-FDE Sales Breakdown by Type (2021-2026)
 - 1.5.4 South America Hardware-FDE Sales Breakdown by Type (2021-2026)
 - 1.5.5 Middle East and Africa Hardware-FDE Sales Breakdown by Type (2021-2026)

2 Global Market Dynamics

- 2.1 Hardware-FDE Industry Trends
- 2.2 Hardware-FDE Industry Drivers
- 2.3 Hardware-FDE Industry Opportunities and Challenges
- 2.4 Hardware-FDE Industry Restraints

3 Market Competitive Landscape by Company

- 3.1 Global Top Players by Hardware-FDE Revenue (2021-2026)
- 3.2 Global Top Players by Hardware-FDE Sales (2021-2026)
- 3.3 Global Top Players by Hardware-FDE Price (2021-2026)
- 3.4 Global Hardware-FDE Industry Company Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Hardware-FDE Major Company Production Sites & Headquarters
- 3.6 Global Hardware-FDE Company, Product Type & Application
- 3.7 Global Hardware-FDE Company Establishment Date
- 3.8 Market Competitive Analysis
 - 3.8.1 Global Hardware-FDE Market CR5 and HHI
 - 3.8.2 Global Top 5 and 10 Hardware-FDE Players Market Share by Revenue in 2025
 - 3.8.3 2025 Hardware-FDE Tier 1, Tier 2, and Tier 3

4 Hardware-FDE Regional Status and Outlook

- 4.1 Global Hardware-FDE Market Size and CAGR by Region: 2021 VS 2025 VS 2032
- 4.2 Global Hardware-FDE Historic Market Size by Region
 - 4.2.1 Global Hardware-FDE Sales in Volume by Region (2021-2026)
 - 4.2.2 Global Hardware-FDE Sales in Value by Region (2021-2026)
 - 4.2.3 Global Hardware-FDE Sales (Volume & Value), Price and Gross Margin (2021-2026)

- 4.3 Global Hardware-FDE Forecasted Market Size by Region
 - 4.3.1 Global Hardware-FDE Sales in Volume by Region (2027-2032)
 - 4.3.2 Global Hardware-FDE Sales in Value by Region (2027-2032)
 - 4.3.3 Global Hardware-FDE Sales (Volume & Value), Price and Gross Margin (2027-2032)

5 Hardware-FDE by Application

- 5.1 Hardware-FDE Market by Application
 - 5.1.1 IT & Telecom
 - 5.1.2 BFSI
 - 5.1.3 Government & Public Utilities
 - 5.1.4 Manufacturing Enterprise
 - 5.1.5 Others
- 5.2 Global Hardware-FDE Market Size by Application
 - 5.2.1 Global Hardware-FDE Market Size Overview by Application (2021-2032)
 - 5.2.2 Global Hardware-FDE Historic Market Size Review by Application (2021-2026)
 - 5.2.3 Global Hardware-FDE Forecasted Market Size by Application (2027-2032)
- 5.3 Key Regions Market Size by Application
 - 5.3.1 North America Hardware-FDE Sales Breakdown by Application (2021-2026)
 - 5.3.2 Europe Hardware-FDE Sales Breakdown by Application (2021-2026)
 - 5.3.3 Asia-Pacific Hardware-FDE Sales Breakdown by Application (2021-2026)
 - 5.3.4 South America Hardware-FDE Sales Breakdown by Application (2021-2026)
 - 5.3.5 Middle East and Africa Hardware-FDE Sales Breakdown by Application (2021-2026)

6 Company Profiles

- 6.1 iStorage
 - 6.1.1 iStorage Company Information
 - 6.1.2 iStorage Business Overview
 - 6.1.3 iStorage Hardware-FDE Sales, Revenue and Gross Margin (2021-2026)
 - 6.1.4 iStorage Hardware-FDE Product Portfolio
 - 6.1.5 iStorage Recent Developments
- 6.2 Seagate Technology
 - 6.2.1 Seagate Technology Company Information
 - 6.2.2 Seagate Technology Business Overview
 - 6.2.3 Seagate Technology Hardware-FDE Sales, Revenue and Gross Margin (2021-2026)
 - 6.2.4 Seagate Technology Hardware-FDE Product Portfolio
 - 6.2.5 Seagate Technology Recent Developments
- 6.3 Hitachi
 - 6.3.1 Hitachi Company Information
 - 6.3.2 Hitachi Business Overview
 - 6.3.3 Hitachi Hardware-FDE Sales, Revenue and Gross Margin (2021-2026)
 - 6.3.4 Hitachi Hardware-FDE Product Portfolio
 - 6.3.5 Hitachi Recent Developments
- 6.4 Western Digital
 - 6.4.1 Western Digital Company Information
 - 6.4.2 Western Digital Business Overview
 - 6.4.3 Western Digital Hardware-FDE Sales, Revenue and Gross Margin (2021-2026)
 - 6.4.4 Western Digital Hardware-FDE Product Portfolio
 - 6.4.5 Western Digital Recent Developments
- 6.5 Samsung

- 6.5.1 Samsung Company Information
- 6.5.2 Samsung Business Overview
- 6.5.3 Samsung Hardware-FDE Sales, Revenue and Gross Margin (2021-2026)
- 6.5.4 Samsung Hardware-FDE Product Portfolio
- 6.5.5 Samsung Recent Developments

6.6 Toshiba

- 6.6.1 Toshiba Company Information
- 6.6.2 Toshiba Business Overview
- 6.6.3 Toshiba Hardware-FDE Sales, Revenue and Gross Margin (2021-2026)
- 6.6.4 Toshiba Hardware-FDE Product Portfolio
- 6.6.5 Toshiba Recent Developments

6.7 OCZ

- 6.7.1 OCZ Company Information
- 6.7.2 OCZ Business Overview
- 6.7.3 OCZ Hardware-FDE Sales, Revenue and Gross Margin (2021-2026)
- 6.7.4 OCZ Hardware-FDE Product Portfolio
- 6.7.5 OCZ Recent Developments

6.8 SanDisk

- 6.8.1 SanDisk Company Information
- 6.8.2 SanDisk Business Overview
- 6.8.3 SanDisk Hardware-FDE Sales, Revenue and Gross Margin (2021-2026)
- 6.8.4 SanDisk Hardware-FDE Product Portfolio
- 6.8.5 SanDisk Recent Developments

6.9 Micron Technology

- 6.9.1 Micron Technology Company Information
- 6.9.2 Micron Technology Business Overview
- 6.9.3 Micron Technology Hardware-FDE Sales, Revenue and Gross Margin (2021-2026)
- 6.9.4 Micron Technology Hardware-FDE Product Portfolio
- 6.9.5 Micron Technology Recent Developments

6.10 Integral Memory

- 6.10.1 Integral Memory Company Information
- 6.10.2 Integral Memory Business Overview
- 6.10.3 Integral Memory Hardware-FDE Sales, Revenue and Gross Margin (2021-2026)
- 6.10.4 Integral Memory Hardware-FDE Product Portfolio
- 6.10.5 Integral Memory Recent Developments

7 North America by Country

7.1 North America Hardware-FDE Sales by Country

- 7.1.1 North America Hardware-FDE Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
- 7.1.2 North America Hardware-FDE Sales by Country (2021-2026)
- 7.1.3 North America Hardware-FDE Sales Forecast by Country (2027-2032)

7.2 North America Hardware-FDE Market Size by Country

- 7.2.1 North America Hardware-FDE Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
- 7.2.2 North America Hardware-FDE Market Size by Country (2021-2026)
- 7.2.3 North America Hardware-FDE Market Size Forecast by Country (2027-2032)

8 Europe by Country

8.1 Europe Hardware-FDE Sales by Country

- 8.1.1 Europe Hardware-FDE Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

8.1.2 Europe Hardware-FDE Sales by Country (2021-2026)

8.1.3 Europe Hardware-FDE Sales Forecast by Country (2027-2032)

8.2 Europe Hardware-FDE Market Size by Country

8.2.1 Europe Hardware-FDE Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

8.2.2 Europe Hardware-FDE Market Size by Country (2021-2026)

8.2.3 Europe Hardware-FDE Market Size Forecast by Country (2027-2032)

9 Asia-Pacific by Country

9.1 Asia-Pacific Hardware-FDE Sales by Country

9.1.1 Asia-Pacific Hardware-FDE Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

9.1.2 Asia-Pacific Hardware-FDE Sales by Country (2021-2026)

9.1.3 Asia-Pacific Hardware-FDE Sales Forecast by Country (2027-2032)

9.2 Asia-Pacific Hardware-FDE Market Size by Country

9.2.1 Asia-Pacific Hardware-FDE Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

9.2.2 Asia-Pacific Hardware-FDE Market Size by Country (2021-2026)

9.2.3 Asia-Pacific Hardware-FDE Market Size Forecast by Country (2027-2032)

10 South America by Country

10.1 South America Hardware-FDE Sales by Country

10.1.1 South America Hardware-FDE Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

10.1.2 South America Hardware-FDE Sales by Country (2021-2026)

10.1.3 South America Hardware-FDE Sales Forecast by Country (2027-2032)

10.2 South America Hardware-FDE Market Size by Country

10.2.1 South America Hardware-FDE Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

10.2.2 South America Hardware-FDE Market Size by Country (2021-2026)

10.2.3 South America Hardware-FDE Market Size Forecast by Country (2027-2032)

11 Middle East and Africa by Country

11.1 Middle East and Africa Hardware-FDE Sales by Country

11.1.1 Middle East and Africa Hardware-FDE Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

11.1.2 Middle East and Africa Hardware-FDE Sales by Country (2021-2026)

11.1.3 Middle East and Africa Hardware-FDE Sales Forecast by Country (2027-2032)

11.2 Middle East and Africa Hardware-FDE Market Size by Country

11.2.1 Middle East and Africa Hardware-FDE Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

11.2.2 Middle East and Africa Hardware-FDE Market Size by Country (2021-2026)

11.2.3 Middle East and Africa Hardware-FDE Market Size Forecast by Country (2027-2032)

12 Value Chain and Sales Channels Analysis

12.1 Hardware-FDE Value Chain Analysis

12.1.1 Hardware-FDE Key Raw Materials

12.1.2 Key Raw Materials Price

12.1.3 Raw Materials Key Suppliers

12.1.4 Manufacturing Cost Structure

12.1.5 Hardware-FDE Production Mode & Process

12.2 Hardware-FDE Sales Channels Analysis

12.2.1 Direct Comparison with Distribution Share

12.2.2 Hardware-FDE Distributors

12.2.3 Hardware-FDE Customers

13 Concluding Insights

14 Appendix

14.1 Reasons for Doing This Study

14.2 Research Methodology

14.3 Research Process

14.4 Authors List of This Report

14.5 Data Source

14.5.1 Secondary Sources

14.5.2 Primary Sources

14.6 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Major Company of Hard Disk Drive (HDD) FDE
- Table 2: Major Company of Enclosed Hard Disk Drive FDE
- Table 3: Major Company of Bridge & Chipset (BC) FDE
- Table 4: Global Hardware-FDE Sales by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global Hardware-FDE Sales by Type (2021-2026) & (k units)
- Table 6: Global Hardware-FDE Sales Market Share in Volume by Type (2021-2026)
- Table 7: Global Hardware-FDE Sales by Type (2021-2026) & (US\$ Million)
- Table 8: Global Hardware-FDE Sales Market Share in Value by Type (2021-2026)
- Table 9: Global Hardware-FDE Price by Type (2021-2026) & (USD/unit)
- Table 10: Global Hardware-FDE Sales by Type (2027-2032) & (k units)
- Table 11: Global Hardware-FDE Sales Market Share in Volume by Type (2027-2032)
- Table 12: Global Hardware-FDE Sales by Type (2027-2032) & (US\$ Million)
- Table 13: Global Hardware-FDE Sales Market Share in Value by Type (2027-2032)
- Table 14: Global Hardware-FDE Price by Type (2027-2032) & (USD/unit)
- Table 15: North America Hardware-FDE Sales by Type (2021-2026) & (k units)
- Table 16: North America Hardware-FDE Sales by Type (2021-2026) & (US\$ Million)
- Table 17: Europe Hardware-FDE Sales by Type (2021-2026) & (k units)
- Table 18: Europe Hardware-FDE Sales by Type (2021-2026) & (US\$ Million)
- Table 19: Asia-Pacific Hardware-FDE Sales by Type (2021-2026) & (k units)
- Table 20: Asia-Pacific Hardware-FDE Sales by Type (2021-2026) & (US\$ Million)
- Table 21: Latin America Hardware-FDE Sales by Type (2021-2026) & (k units)
- Table 22: Latin America Hardware-FDE Sales by Type (2021-2026) & (US\$ Million)
- Table 23: Middle East and Africa Hardware-FDE Sales by Type (2021-2026) & (k units)
- Table 24: Middle East and Africa Hardware-FDE Sales by Type (2021-2026) & (US\$ Million)
- Table 25: Hardware-FDE Industry Trends
- Table 26: Hardware-FDE Industry Drivers
- Table 27: Hardware-FDE Industry Opportunities and Challenges
- Table 28: Hardware-FDE Industry Restraints
- Table 29: Global Hardware-FDE Sales Revenue by Company (US\$ Million) & (2021-2026)
- Table 30: Global Hardware-FDE Revenue Market Share by Company (2021-2026)
- Table 31: Global Hardware-FDE Sales by Company (2021-2026) & (k units)
- Table 32: Global Hardware-FDE Sales Share by Company (2021-2026)
- Table 33: Global Hardware-FDE Market Price by Company (2021-2026) & (USD/unit)
- Table 34: Global Hardware-FDE Industry Company Ranking, 2024 VS 2025 VS 2026
- Table 35: Global Hardware-FDE Major Company Production Sites and Headquarters
- Table 36: Global Hardware-FDE Company, Product Type & Application
- Table 37: Global Hardware-FDE Company Establishment Date
- Table 38: Global Company Market Concentration Ratio (CR5 and HHI)
- Table 39: Global Hardware-FDE by Company Type (Tier 1, Tier 2, and Tier 3) & (Based on the Revenue of 2025)
- Table 40: Global Hardware-FDE Market Size Comparison by Region (US\$ Million): 2021 VS 2025 VS 2032
- Table 41: Global Hardware-FDE Sales by Region (2021-2026) & (k units)
- Table 42: Global Hardware-FDE Sales Market Share in Volume by Region (2021-2026)
- Table 43: Global Hardware-FDE Sales by Region (2021-2026) & (US\$ Million)
- Table 44: Global Hardware-FDE Sales Market Share in Value by Region (2021-2026)
- Table 45: Global Hardware-FDE Sales (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 46: Global Hardware-FDE Sales by Region (2027-2032) & (k units)
- Table 47: Global Hardware-FDE Sales Market Share in Volume by Region (2027-2032)
- Table 48: Global Hardware-FDE Sales by Region (2027-2032) & (US\$ Million)
- Table 49: Global Hardware-FDE Sales Market Share in Value by Region (2027-2032)
- Table 50: Global Hardware-FDE Sales (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2027-2032)
- Table 51: Global Hardware-FDE Sales by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 52: Global Hardware-FDE Sales by Application (2021-2026) & (k units)
- Table 53: Global Hardware-FDE Sales Market Share in Volume by Application (2021-2026)
- Table 54: Global Hardware-FDE Sales by Application (2021-2026) & (US\$ Million)
- Table 55: Global Hardware-FDE Sales Market Share in Value by Application (2021-2026)

- Table 56: Global Hardware-FDE Price by Application (2021-2026) & (USD/unit)
- Table 57: Global Hardware-FDE Sales by Application (2027-2032) & (k units)
- Table 58: Global Hardware-FDE Sales Market Share in Volume by Application (2027-2032)
- Table 59: Global Hardware-FDE Sales by Application (2027-2032) & (US\$ Million)
- Table 60: Global Hardware-FDE Sales Market Share in Value by Application (2027-2032)
- Table 61: Global Hardware-FDE Price by Application (2027-2032) & (USD/unit)
- Table 62: North America Hardware-FDE Sales by Application (2021-2026) & (k units)
- Table 63: North America Hardware-FDE Sales by Application (2021-2026) & (US\$ Million)
- Table 64: Europe Hardware-FDE Sales by Application (2021-2026) & (k units)
- Table 65: Europe Hardware-FDE Sales by Application (2021-2026) & (US\$ Million)
- Table 66: Asia-Pacific Hardware-FDE Sales by Application (2021-2026) & (k units)
- Table 67: Asia-Pacific Hardware-FDE Sales by Application (2021-2026) & (US\$ Million)
- Table 68: Latin America Hardware-FDE Sales by Application (2021-2026) & (k units)
- Table 69: Latin America Hardware-FDE Sales by Application (2021-2026) & (US\$ Million)
- Table 70: Middle East and Africa Hardware-FDE Sales by Application (2021-2026) & (k units)
- Table 71: Middle East and Africa Hardware-FDE Sales by Application (2021-2026) & (US\$ Million)
- Table 72: iStorage Company Information
- Table 73: iStorage Business Overview
- Table 74: iStorage Hardware-FDE Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 75: iStorage Hardware-FDE Product Portfolio
- Table 76: iStorage Recent Development
- Table 77: Seagate Technology Company Information
- Table 78: Seagate Technology Business Overview
- Table 79: Seagate Technology Hardware-FDE Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 80: Seagate Technology Hardware-FDE Product Portfolio
- Table 81: Seagate Technology Recent Development
- Table 82: Hitachi Company Information
- Table 83: Hitachi Business Overview
- Table 84: Hitachi Hardware-FDE Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 85: Hitachi Hardware-FDE Product Portfolio
- Table 86: Hitachi Recent Development
- Table 87: Western Digital Company Information
- Table 88: Western Digital Business Overview
- Table 89: Western Digital Hardware-FDE Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 90: Western Digital Hardware-FDE Product Portfolio
- Table 91: Western Digital Recent Development
- Table 92: Samsung Company Information
- Table 93: Samsung Business Overview
- Table 94: Samsung Hardware-FDE Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 95: Samsung Hardware-FDE Product Portfolio
- Table 96: Samsung Recent Development
- Table 97: Toshiba Company Information
- Table 98: Toshiba Business Overview
- Table 99: Toshiba Hardware-FDE Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 100: Toshiba Hardware-FDE Product Portfolio
- Table 101: Toshiba Recent Development
- Table 102: OCZ Company Information
- Table 103: OCZ Business Overview
- Table 104: OCZ Hardware-FDE Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 105: OCZ Hardware-FDE Product Portfolio
- Table 106: OCZ Recent Development
- Table 107: SanDisk Company Information
- Table 108: SanDisk Business Overview
- Table 109: SanDisk Hardware-FDE Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 110: SanDisk Hardware-FDE Product Portfolio
- Table 111: SanDisk Recent Development
- Table 112: Micron Technology Company Information
- Table 113: Micron Technology Business Overview
- Table 114: Micron Technology Hardware-FDE Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 115: Micron Technology Hardware-FDE Product Portfolio
- Table 116: Micron Technology Recent Development
- Table 117: Integral Memory Company Information

- Table 118: Integral Memory Business Overview
- Table 119: Integral Memory Hardware-FDE Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 120: Integral Memory Hardware-FDE Product Portfolio
- Table 121: Integral Memory Recent Development
- Table 122: North America Hardware-FDE Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 123: North America Hardware-FDE Sales by Country (2021-2026) & (k units)
- Table 124: North America Hardware-FDE Sales Market Share by Country (2021-2026)
- Table 125: North America Hardware-FDE Sales Forecast by Country (2027-2032) & (k units)
- Table 126: North America Hardware-FDE Sales Market Share Forecast by Country (2027-2032)
- Table 127: North America Hardware-FDE Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 128: North America Hardware-FDE Market Size by Country (2021-2026) & (US\$ Million)
- Table 129: North America Hardware-FDE Market Share by Country (2021-2026)
- Table 130: North America Hardware-FDE Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 131: North America Hardware-FDE Market Share Forecast by Country (2027-2032)
- Table 132: Europe Hardware-FDE Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 133: Europe Hardware-FDE Sales by Country (2021-2026) & (k units)
- Table 134: Europe Hardware-FDE Sales Market Share by Country (2021-2026)
- Table 135: Europe Hardware-FDE Sales Forecast by Country (2027-2032) & (k units)
- Table 136: Europe Hardware-FDE Sales Market Share Forecast by Country (2027-2032)
- Table 137: Europe Hardware-FDE Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 138: Europe Hardware-FDE Market Size by Country (2021-2026) & (US\$ Million)
- Table 139: Europe Hardware-FDE Market Share by Country (2021-2026)
- Table 140: Europe Hardware-FDE Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 141: Europe Hardware-FDE Market Share Forecast by Country (2027-2032)
- Table 142: Asia-Pacific Hardware-FDE Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 143: Asia-Pacific Hardware-FDE Sales by Country (2021-2026) & (k units)
- Table 144: Asia-Pacific Hardware-FDE Sales Market Share by Country (2021-2026)
- Table 145: Asia-Pacific Hardware-FDE Sales Forecast by Country (2027-2032) & (k units)
- Table 146: Asia-Pacific Hardware-FDE Sales Market Share Forecast by Country (2027-2032)
- Table 147: Asia-Pacific Hardware-FDE Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 148: Asia-Pacific Hardware-FDE Market Size by Country (2021-2026) & (US\$ Million)
- Table 149: Asia-Pacific Hardware-FDE Market Share by Country (2021-2026)
- Table 150: Asia-Pacific Hardware-FDE Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 151: Asia-Pacific Hardware-FDE Market Share Forecast by Country (2027-2032)
- Table 152: Latin America Hardware-FDE Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 153: Latin America Hardware-FDE Sales by Country (2021-2026) & (k units)
- Table 154: Latin America Hardware-FDE Sales Market Share by Country (2021-2026)
- Table 155: Latin America Hardware-FDE Sales Forecast by Country (2027-2032) & (k units)
- Table 156: Latin America Hardware-FDE Sales Market Share Forecast by Country (2027-2032)
- Table 157: Latin America Hardware-FDE Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 158: Latin America Hardware-FDE Market Size by Country (2021-2026) & (US\$ Million)
- Table 159: Latin America Hardware-FDE Market Share by Country (2021-2026)
- Table 160: Latin America Hardware-FDE Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 161: Latin America Hardware-FDE Market Share Forecast by Country (2027-2032)
- Table 162: Middle East and Africa Hardware-FDE Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 163: Middle East and Africa Hardware-FDE Sales by Country (2021-2026) & (k units)
- Table 164: Middle East and Africa Hardware-FDE Sales Market Share by Country (2021-2026)
- Table 165: Middle East and Africa Hardware-FDE Sales Forecast by Country (2027-2032) & (k units)
- Table 166: Middle East and Africa Hardware-FDE Sales Market Share Forecast by Country (2027-2032)
- Table 167: Middle East and Africa Hardware-FDE Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 168: Middle East and Africa Hardware-FDE Market Size by Country (2021-2026) & (US\$ Million)
- Table 169: Middle East and Africa Hardware-FDE Market Share by Country (2021-2026)
- Table 170: Middle East and Africa Hardware-FDE Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 171: Middle East and Africa Hardware-FDE Market Share Forecast by Country (2027-2032)
- Table 172: Key Raw Materials
- Table 173: Raw Materials Key Suppliers
- Table 174: Hardware-FDE Distributors List
- Table 175: Hardware-FDE Customers List
- Table 176: Research Programs/Design for This Report
- Table 177: Authors List of This Report
- Table 178: Secondary Sources

- Table 179: Primary Sources

List of Figures:

- Figure 1: Hardware-FDE Image
- Figure 2: Global Hardware-FDE Market Size (US\$ Million), 2021 VS 2025 VS 2032
- Figure 3: Global Hardware-FDE Market Size (2021-2032) & (US\$ Million)
- Figure 4: Global Hardware-FDE Sales (2021-2032) & (k units)
- Figure 5: Hard Disk Drive (HDD) FDE Image
- Figure 6: Global Hard Disk Drive (HDD) FDE Sales YoY Growth (2021-2032) & (k units)
- Figure 7: Enclosed Hard Disk Drive FDE Image
- Figure 8: Global Enclosed Hard Disk Drive FDE Sales YoY Growth (2021-2032) & (k units)
- Figure 9: Bridge & Chipset (BC) FDE Image
- Figure 10: Global Bridge & Chipset (BC) FDE Sales YoY Growth (2021-2032) & (k units)
- Figure 11: Global Hardware-FDE Market Size Overview by Type (2021-2032) & (US\$ Million)
- Figure 12: Global Hardware-FDE Market Share by Type 2025 VS 2032
- Figure 13: North America Hardware-FDE Sales Market Share in Volume by Type in 2025
- Figure 14: North America Hardware-FDE Sales Market Share in Value by Type in 2025
- Figure 15: Europe Hardware-FDE Sales Market Share in Volume by Type in 2025
- Figure 16: Europe Hardware-FDE Sales Market Share in Value by Type in 2025
- Figure 17: Asia-Pacific Hardware-FDE Sales Market Share in Volume by Type in 2025
- Figure 18: Asia-Pacific Hardware-FDE Sales Market Share in Value by Type in 2025
- Figure 19: Latin America Hardware-FDE Sales Market Share in Volume by Type in 2025
- Figure 20: Latin America Hardware-FDE Sales Market Share in Value by Type in 2025
- Figure 21: Middle East and Africa Hardware-FDE Sales Market Share in Volume by Type in 2025
- Figure 22: Middle East and Africa Hardware-FDE Sales Market Share in Value by Type in 2025
- Figure 23: Global Top 5 and 10 Hardware-FDE Players Market Share by Revenue in 2025
- Figure 24: Company Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 25: IT & Telecom Image
- Figure 26: Global IT & Telecom Sales YoY Growth (2021-2032) & (k units)
- Figure 27: BFSI Image
- Figure 28: Global BFSI Sales YoY Growth (2021-2032) & (k units)
- Figure 29: Government & Public Utilities Image
- Figure 30: Global Government & Public Utilities Sales YoY Growth (2021-2032) & (k units)
- Figure 31: Manufacturing Enterprise Image
- Figure 32: Global Manufacturing Enterprise Sales YoY Growth (2021-2032) & (k units)
- Figure 33: Others Image
- Figure 34: Global Others Sales YoY Growth (2021-2032) & (k units)
- Figure 35: Global Hardware-FDE Market Size Overview by Application (2021-2032) & (US\$ Million)
- Figure 36: Global Hardware-FDE Market Share by Application 2025 VS 2032
- Figure 37: North America Hardware-FDE Sales Market Share in Volume by Application in 2025
- Figure 38: North America Hardware-FDE Sales Market Share in Value by Application in 2025
- Figure 39: Europe Hardware-FDE Sales Market Share in Volume by Application in 2025
- Figure 40: Europe Hardware-FDE Sales Market Share in Value by Application in 2025
- Figure 41: Asia-Pacific Hardware-FDE Sales Market Share in Volume by Application in 2025
- Figure 42: Asia-Pacific Hardware-FDE Sales Market Share in Value by Application in 2025
- Figure 43: Latin America Hardware-FDE Sales Market Share in Volume by Application in 2025
- Figure 44: Latin America Hardware-FDE Sales Market Share in Value by Application in 2025
- Figure 45: Middle East and Africa Hardware-FDE Sales Market Share in Volume by Application in 2025
- Figure 46: Middle East and Africa Hardware-FDE Sales Market Share in Value by Application in 2025
- Figure 47: North America Hardware-FDE Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 48: North America Hardware-FDE Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 49: North America Hardware-FDE Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 50: North America Hardware-FDE Market Share by Country: 2021 VS 2025 VS 2032
- Figure 51: Europe Hardware-FDE Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 52: Europe Hardware-FDE Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 53: Europe Hardware-FDE Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 54: Europe Hardware-FDE Market Share by Country: 2021 VS 2025 VS 2032
- Figure 55: Asia-Pacific Hardware-FDE Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 56: Asia-Pacific Hardware-FDE Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 57: Asia-Pacific Hardware-FDE Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 58: Asia-Pacific Hardware-FDE Market Share by Country: 2021 VS 2025 VS 2032
- Figure 59: Latin America Hardware-FDE Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 60: Latin America Hardware-FDE Sales Share by Country: 2021 VS 2025 VS 2032

- Figure 61: Latin America Hardware-FDE Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 62: Latin America Hardware-FDE Market Share by Country: 2021 VS 2025 VS 2032
- Figure 63: Middle East and Africa Hardware-FDE Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 64: Middle East and Africa Hardware-FDE Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 65: Middle East and Africa Hardware-FDE Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 66: Middle East and Africa Hardware-FDE Market Share by Country: 2021 VS 2025 VS 2032
- Figure 67: Hardware-FDE Value Chain
- Figure 68: Key Raw Materials Price
- Figure 69: Manufacturing Cost Structure
- Figure 70: Hardware-FDE Production Mode & Process
- Figure 71: Direct Comparison with Distribution Share
- Figure 72: Distributors Profiles
- Figure 73: Years Considered
- Figure 74: Research Process
- Figure 75: Key Executives Interviewed